

## BULLETIN MENSUEL DES OBSERVATIONS

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Mois de Novembre 1938

## Evolution du temps en Indochine pendant le mois de Novembre

*Du 1er au 4 novembre.* — Quoique sous l'action directe des hautes pressions sino-mongoles, l'Indochine a été soumise à un régime de vents assez variables. Du quadrant Nord-Est modérés sur le Tonkin et le Nord de la Mer de Chine ils sont, pour le reste du pays, orientés, tantôt sur les basses pressions du Siam, tantôt sur les basses pressions du Sud de la Mer de Chine.

Ciel généralement nuageux ou très nuageux sans précipitations sur l'ensemble de la péninsule.

Le 4 novembre, un typhon se forme sur le Pacifique à l'Est de Mindanao, et évolue en Mer de Chine du 5 au 10 novembre. Centré le 7, vers 5 heures, à 30 milles environ à l'Est de l'île Pattle (Paracels), il y reste stationnaire jusqu'au 9. Du 9 au 10, il s'oriente Nord-Ouest pour aller se combler sur le Golfe du Tonkin. Vitesse moyenne: 15 nœuds du 4 au 7, 12 nœuds du 9 au 10. Peu violent jusqu'au 6, il a atteint son intensité maxima du 7 au 8 (10 degrés Beaufort à Paracels). De diamètre relativement restreint, les vents n'ont pas dépassé 6 degrés

Beaufort sur la côte. Ce typhon n'a provoqué que de très légères pluies sur le Centre-Annam et le Tonkin

*12 novembre.* — Incursion très marquée d'air froid, d'abord sur le Tonkin, puis sur toute l'Indochine. Hausse atteignant 7 mb. Jusqu'au 22 novembre, mousson de Nord-Est sur tout le pays, modérée ou assez forte sur le Tonkin et le Sud-Annam, où les isobares se resserrent. Ciel généralement couvert d'alto-stratus sur Tonkin, couvert bas avec pluie sur Centre-Annam, s'améliorant progressivement à partir du 18.

*Du 22 au 30 novembre.* — Le 22, formation d'un second typhon à l'Est de Mindanao. Trajectoire sensiblement rectiligne orientée Ouest-Quart-Nord-Ouest. S'est comblé du 26 au 28 à 140 milles au large de Quinhon. Relativement peu violent, n'ayant provoqué que de légères chutes de pluie au Sud de Tourane.

Jusqu'au 30 temps généralement couvert à très nuageux sur le Tonkin, le Nord et le Centre-Annam peu nuageux sur le reste du pays.



## RÉSUMÉ DES OBSERVATIONS

de Pression, Température, Humidité, Tension de vapeur et Insolation

Mois de Novembre 1938

| STATIONS           | Pression<br>atmosphérique |                     | TEMPÉRATURE DE L'AIR |      |      |                  |        |      |       |          | Humidité relative |      |                         | Tension de la<br>vapeur<br>d'eau | Insolation<br>Ⓐ |  |
|--------------------|---------------------------|---------------------|----------------------|------|------|------------------|--------|------|-------|----------|-------------------|------|-------------------------|----------------------------------|-----------------|--|
|                    | moyennes au               |                     | moyennes             |      |      | Valeurs absolues |        |      |       | moyennes |                   |      | Durée<br>Moy.<br>diurne |                                  | h et h/40       |  |
|                    | niveau de<br>la station   | niveau de<br>la mer |                      |      |      | Max.             | dat    | Min. | dat   |          |                   |      |                         |                                  |                 |  |
|                    | P                         | P <sub>0</sub>      | T                    | Max. | Min. |                  |        |      |       | U        | Max.              | Min. |                         |                                  |                 |  |
|                    | mb.                       | mb.                 | °c                   | °c   | °c   | °c               |        | °c   |       | ‰        | ‰                 | ‰    | mb.                     |                                  |                 |  |
| Petit Langbian     |                           |                     | 16,0                 | 19,9 | 12,8 | 24,1             | 7      | 10,3 | 25    | 89,4     | 98,0              | 73,0 | 16,2                    |                                  |                 |  |
| Diom               |                           |                     | 18,8                 | 23,4 | 15,5 | 26,1             | 6      | 13,4 | 25    | 87,5     | 98,7              | 67,4 | 18,9                    |                                  |                 |  |
| Lang-hanh          |                           |                     | 20,1                 | 25,7 | 16,5 | 28,5             | 1,11   | 13,0 | 22,25 | 84,5     | 93,2              | 63,7 | 19,8                    | 3,9                              |                 |  |
| Djiring            |                           |                     | 19,2                 | 24,8 | 15,8 | 26,9             | 3dates | 11,6 | 24    | 87,1     | 96,5              | 68,3 | 19,2                    |                                  |                 |  |
| Biao (Baklongpoul) |                           |                     | 19,3                 | 24,6 | 15,7 | 27,7             | 2      | 12,0 | 23,24 | 90,3     | 99,2              | 68,8 | 20,1                    | 3,7                              |                 |  |
| Padaran            | 989,7                     | 1010,0              | 24,5                 | 26,7 | 22,9 | 30,4             | 8      | 20,3 | 26    | 84,7     | 95,0              | 68,9 | 25,8                    |                                  |                 |  |
| Phanthiét          | 1009,3                    | 1010,0              | 25,9                 | 30,2 | 22,5 | 33,0             | 7      | 19,2 | 22    | 79,9     | 94,3              | 59,2 | 26,2                    |                                  |                 |  |
| Cochinchine        |                           |                     |                      |      |      |                  |        |      |       |          |                   |      |                         |                                  |                 |  |
| Thuan-loi          |                           |                     | 23,6                 | 28,9 | 20,0 | 32,1             | 7      | 17,6 | 22    | 88,1     | 99,1              | 69,7 | 26,5                    |                                  |                 |  |
| Dautieng           |                           |                     | 25,6                 | 31,2 | 21,7 | 34,3             | 8      | 18,5 | 22,27 | 80,4     | 95,9              | 53,8 | 26,2                    |                                  |                 |  |
| Bongtrang          |                           |                     | —                    | 30,7 | 21,4 | 33,6             | 7      | 18,4 | 26,27 | —        | —                 | —    | —                       | »                                |                 |  |
| Bencat             |                           |                     | 24,8                 | 30,4 | 21,4 | 33,0             | 2,3    | 17,6 | 24    | 84,9     | 95,9              | 62,8 | 26,4                    | 4,6                              |                 |  |
| Gia-rav            |                           |                     | 23,9                 | 28,1 | 20,9 | 30,8             | 1      | 18,4 | 24,27 | 85,8     | 97,1              | 64,6 | 25,2                    |                                  |                 |  |
| Xuân-lôc           |                           |                     | 24,2                 | 28,1 | 21,2 | 30,4             | 7      | 18,8 | 27    | 82,0     | 94,4              | 58,4 | 24,5                    |                                  |                 |  |
| Trang-bom          |                           |                     | —                    | 30,5 | 20,9 | 32,9             | 8      | 17,3 | 24    | —        | —                 | —    | —                       |                                  |                 |  |
| Tân-châu           |                           |                     | 26,3                 | 29,0 | 23,8 | 32,4             | 12     | 21,1 | 29    | 81,2     | 90,0              | 67,7 | 27,5                    |                                  |                 |  |
| Saigon             | 1009,3                    | 1010,5              | 25,6                 | 30,1 | 22,6 | 32,4             | 8      | 19,2 | 27    | 81,9     | 93,8              | 60,0 | 26,6                    | 5,6                              |                 |  |
| Hatiên             | 1010,0                    | 1010,5              | 25,6                 | 28,9 | 22,9 | 32,0             | 7      | 19,6 | 26    | 84,5     | 94,9              | 69,8 | 27,6                    | 6,1                              |                 |  |
| Cap Saint-Jacques  | 990,4(1)                  | 1011,4              | 24,6                 | 27,6 | 22,2 | 29,7             | 9      | 18,8 | 27    | 86,2     | 96,0              | 69,9 | 26,4                    |                                  |                 |  |
| Can-tho            | 1009,5                    | 1009,9              | 26,7                 | 30,8 | 24,3 | 33,4             | 12     | 21,1 | 27    | 81,0     | 93,2              | 62,8 | 28,1                    |                                  |                 |  |
| Poulo-Condore      | 1009,6                    | 1010,4              | 26,1                 | 29,0 | 24,1 | 31,5             | 8      | 22,2 | 24    | 83,3     | 92,0              | 72,3 | 27,9                    |                                  |                 |  |
| Poulo-Obi          |                           |                     | 23,9                 | 26,9 | 21,9 | 29,9             | 10     | 19,5 | 26    | 91,3     | 97,0              | 79,0 | 26,8                    |                                  |                 |  |
| Cambodge           |                           |                     |                      |      |      |                  |        |      |       |          |                   |      |                         |                                  |                 |  |
| Sisophon           |                           |                     |                      |      |      |                  |        |      |       |          |                   |      |                         |                                  |                 |  |
| Stungtreng         |                           |                     | 24,3                 | 28,9 | 20,6 | 31,2             | 2,11   | 17,6 | 24,25 | 85,6     | 98,2              | 63,5 | 25,7                    | 9,0                              |                 |  |
| Siemréap           |                           |                     | 24,8                 | 29,4 | 21,1 | 31,1             | 2,8    | 16,8 | 26    | 82,2     | 95,6              | 59,6 | 25,5                    |                                  |                 |  |
| Battambang         | 1010,4                    | 1012,3              | 25,5                 | 29,4 | 22,0 | 32,4             | 3      | 17,2 | 25,26 | 78,8     | 94,0              | 59,6 | 25,4                    |                                  |                 |  |
| Kompongthom        |                           |                     | 25,4                 | 30,2 | 22,0 | 33,1             | 2      | 17,7 | 25    | 81,6     | 94,5              | 62,5 | 26,1                    |                                  |                 |  |
| Pursat             | 1010,0                    | 1012,1              | 25,6                 | 29,3 | 22,6 | 32,0             | 3,4    | 18,7 | 26    | 83,0     | 95,1              | 62,5 | 26,8                    |                                  |                 |  |
| Kratié             | 1009,0                    | 1011,8              | 25,0                 | 30,2 | 20,5 | 33,8             | 7      | 16,4 | 22    | 81,3     | 94,7              | 60,5 | 25,3                    | 6,2                              |                 |  |
| Le Rolland         | 913,4                     | —                   | 19,2                 | 23,2 | 16,6 | 27,2             | 9      | 14,0 | 20,24 | 94,1     | 99,5              | 77,0 | 20,8                    |                                  |                 |  |
| Kompongchhnang     |                           |                     | 25,8                 | 29,3 | 23,1 | 32,0             | 2      | 20,2 | 27    | 80,4     | 94,7              | 60,1 | 26,5                    |                                  |                 |  |
| Kompongcham        |                           |                     | 25,7                 | 29,6 | 22,6 | 33,0             | 1      | 18,9 | 25    | 81,1     | 91,1              | 65,6 | 26,5                    |                                  |                 |  |
| Phnom-penh         | 1009,6                    | 1010,9              | 26,0                 | 29,4 | 23,3 | 32,8             | 12     | 21,1 | 26    | 79,0     | 91,8              | 63,2 | 26,3                    | 7,1                              |                 |  |
| Hôt-Cone           | 1006,1                    | 1010,0              | 26,1                 | 30,4 | 23,1 | 32,2             | 8      | 20,8 | 26    | 78,5     | 90,6              | 61,2 | 26,3                    |                                  |                 |  |
| Soai-rieng         |                           |                     | 26,5                 | 29,9 | 23,8 | 32,0             | 3      | 20,4 | 26    | 82,7     | 92,9              | 64,3 | 28,3                    |                                  |                 |  |
| Kampot             |                           |                     | —                    | 30,0 | 22,5 | 33,2             | 8      | 19,2 | 26    | 75,9     | 86,7              | 57,7 | —                       |                                  |                 |  |
| Laos               |                           |                     |                      |      |      |                  |        |      |       |          |                   |      |                         |                                  |                 |  |
| Luang Prabang      | 981,3                     | 1015,2              | 20,1                 | 26,7 | 15,6 | 32,2             | 2      | 10,3 | 25    | 84,9     | 97,8              | 52,6 | 19,8                    |                                  |                 |  |
| Nong-het           |                           |                     | 12,9                 | 17,8 | 9,6  | 24,6             | 3      | 5,6  | 26    | 91,2     | 97,7              | 75,3 | 13,7                    |                                  |                 |  |
| Tran-Ninh          | 894,0                     | —                   | 15,4                 | 21,6 | 10,4 | 27,4             | 2      | 4,3  | 23    | 80,5     | 94,8              | 54,9 | 13,9                    |                                  |                 |  |
| Xieng-khouang      |                           |                     | 16,5                 | 24,5 | 10,9 | 30,5             | 2      | 6,0  | 23    | 82,2     | 92,2              | 54,2 | 15,3                    |                                  |                 |  |
| Paksane            | 995,9                     | 1013,5              | 22,3                 | 30,1 | 16,4 | 34,7             | 3      | 12,0 | 25    | 75,3     | 94,0              | 48,4 | 19,8                    | 8,3                              |                 |  |
| Napé               |                           |                     | 18,7                 | 23,2 | 15,9 | 29,2             | 2      | 12,6 | 13    | 79,0     | 91,7              | 61,9 | 17,0                    |                                  |                 |  |
| Vientiane          | 992,8                     | 1011,6              | 22,4                 | 29,0 | 16,8 | 31,7             | 1,4    | 12,0 | 27    | 76,9     | 96,5              | 47,6 | 20,3                    |                                  |                 |  |
| Boneng             |                           |                     | 21,7                 | 29,2 | 16,0 | 33,0             | 1      | 11,5 | 26    | 72,1     | 92,6              | 43,3 | 18,5                    |                                  |                 |  |
| Thakhek            | 996,7                     | 1012,4              | 21,6                 | 27,6 | 16,1 | 30,0             | 7      | 9,9  | 25    | 73,0     | 94,7              | 48,2 | 18,4                    | 6,9                              |                 |  |
| Savannakhet        | 997,1                     | 1013,4              | 22,2                 | 28,6 | 17,3 | 32,1             | 2      | 11,6 | 25    | 78,5     | 93,7              | 58,4 | 20,9                    |                                  |                 |  |
| Bolovens (Paksong) |                           |                     | 18,2                 | 23,1 | 14,5 | 26,3             | 3      | 10,5 | 23    | —        | —                 | —    | —                       |                                  |                 |  |
| Paksé              | 999,4                     | 1010,6              | 23,9                 | 29,6 | 19,6 | 33,3             | 1      | 16,2 | 22    | 74,7     | 91,9              | 54,1 | 21,8                    | 6,5                              |                 |  |

(1) Pression moyenne 10h + 14h.

# RÉSUMÉ DES OBSERVATIONS d'Evaporation, Temps et Nébulosité

Mois de Novembre 1938

| STATIONS           | Evaporation<br>(en mm) |        |        | T E M P S<br>Nombre de jours de : |              |            |                       |            |              |            |                |            |     | Nébulosité moyenne |                 |     |     |  |  |
|--------------------|------------------------|--------|--------|-----------------------------------|--------------|------------|-----------------------|------------|--------------|------------|----------------|------------|-----|--------------------|-----------------|-----|-----|--|--|
|                    | totale                 | Max.   |        | ●<br>Pluie                        | ●<br>Grachin | D<br>Rosée | ///<br>Bd<br>matinaux | Σ<br>Orage | ciel         |            | ///<br>tempête | totale (N) |     |                    | inférieure (NL) |     |     |  |  |
|                    |                        | valeur | date   |                                   |              |            |                       |            | couvert<br>☉ | clair<br>☉ |                | 6h         | 10h | 14h                | 6h              | 10h | 14h |  |  |
|                    |                        |        |        |                                   |              |            |                       |            |              |            |                |            |     |                    |                 |     |     |  |  |
| Yunnan             |                        |        |        |                                   |              |            |                       |            |              |            |                |            |     |                    |                 |     |     |  |  |
| Yunnanfou          | 42                     | 2      | 2      | 2                                 | 1            | 0          | 0                     | 0          | 9            | 4          | 0              | —          | 6,7 | —                  | —               | 4,1 | —   |  |  |
| Kouangtchéouwan    |                        |        |        |                                   |              |            |                       |            |              |            |                |            |     |                    |                 |     |     |  |  |
| Fort-Bayard        | 91                     | 7      | 13     | 4                                 | 2            | 2          | 1                     | 0          | 14           | 7          | 0              | 5,8        | 6,5 | 6,6                | 5,4             | 5,6 | 5,1 |  |  |
| Tonkin             |                        |        |        |                                   |              |            |                       |            |              |            |                |            |     |                    |                 |     |     |  |  |
| Bao-lac            |                        |        |        | 3                                 | —            | —          | —                     | —          | —            | —          | 0              | 9,5        | 6,3 | 6,1                | 9,5             | 5,0 | 5,0 |  |  |
| Hà-giang           | 49                     | 3      | 11     | 6                                 | 0            | 0          | 12                    | 0          | 18           | 0          | 0              | 9,1        | 6,9 | 5,0                | 8,8             | 5,9 | 4,3 |  |  |
| Trungkhanhphu      | 87                     | 6      | 13     | 4                                 | 0            | 1          | 3                     | 0          | —            | —          | 0              | —          | —   | 5,4                | —               | —   | 0,1 |  |  |
| Hoangsuphi         |                        |        |        | 2                                 | —            | —          | —                     | —          | —            | —          | 0              | 9,5        | 6,7 | 5,6                | 9,2             | 6,0 | 4,6 |  |  |
| Cao-bang           |                        |        |        | 2                                 | —            | —          | —                     | —          | —            | —          | 0              | 9,4        | 4,4 | 4,2                | 8,6             | 3,0 | 3,1 |  |  |
| Lao-kay            | 48                     | 3      | 5      | 4                                 | 0            | 18         | 10                    | 0          | 22           | 0          | 0              | 10,0       | 8,5 | 7,3                | 8,8             | 4,5 | 3,8 |  |  |
| That-khe           |                        |        |        | 3                                 | —            | —          | —                     | —          | —            | —          | 0              | 6,8        | 5,2 | 4,2                | 5,8             | 4,2 | 2,6 |  |  |
| Bao-ha             | 52                     | 3      | 2      | 3                                 | 0            | 27         | 29                    | 0          | 13           | 1          | 0              | 6,9        | 7,2 | 7,8                | 6,2             | 3,9 | 2,9 |  |  |
| Lai-chau           | 49                     | 4      | 7      | 2                                 | 1            | 0          | 1                     | 0          | —            | —          | 0              | —          | —   | 2,5                | —               | —   | 0,4 |  |  |
| Lang-son           | 78                     | 5      | 13     | 5                                 | 4            | 15         | 5                     | 0          | 12           | 5          | 0              | 6,6        | 5,4 | 6,5                | 6,3             | 4,7 | 5,6 |  |  |
| Loc-binh           |                        |        |        | 2                                 | —            | —          | —                     | —          | —            | —          | 0              | 7,5        | 4,2 | 5,5                | 6,9             | 3,3 | 4,5 |  |  |
| Tuyên-quang        | 63                     | 4      | 25     | 0                                 | 0            | 1          | 5                     | 0          | 8            | 0          | 0              | —          | —   | 5,0                | —               | —   | —   |  |  |
| Moncay             | 88                     | 6      | 8      | 9                                 | 10           | 0          | 0                     | 0          | 13           | 12         | 0              | 5,3        | 5,9 | 5,2                | 5,1             | 5,1 | 3,6 |  |  |
| Thanh-ba           | 76                     | 4      | 4      | 3                                 | 0            | 5          | 4                     | 0          | 18           | 0          | 0              | —          | —   | 7,1                | —               | —   | 5,0 |  |  |
| Phu-ho             | 68                     | 3      | 25     | 3                                 | 1            | 0          | 6                     | 0          | 13           | 0          | 0              | 8,6        | —   | 6,5                | 5,1             | —   | 2,8 |  |  |
| Tam-dao            |                        |        |        | 2                                 | 1            | 0          | 1                     | 0          | —            | —          | 0              | 6,5        | —   | 4,6                | —               | —   | —   |  |  |
| Son-la             | 62                     | 4      | 2      | 1                                 | 3            | 8          | 1                     | 0          | 9            | 7          | 0              | 5,4        | 5,3 | 4,6                | 5,1             | 5,1 | 4,3 |  |  |
| Phu-lang-thuong    | 96                     | 6      | 13     | 3                                 | 0            | 0          | 19                    | 0          | 10           | 5          | 0              | —          | —   | 5,4                | —               | —   | 0,5 |  |  |
| La-pho             | 82                     | 5      | 8      | 4                                 | 0            | 18         | 28                    | 0          | 9            | 2          | 0              | 7,6        | —   | 5,5                | 6,7             | —   | 4,2 |  |  |
| Tong               |                        |        |        | —                                 | —            | —          | —                     | —          | —            | —          | 0              | 6,1        | 5,2 | 4,0                | 5,6             | 2,8 | 3,0 |  |  |
| Gia-lam (Aéroport) | 105                    | 7      | 13     | 0                                 | 2            | 1          | 3                     | 0          | 11           | 6          | 0              | 5,7        | 5,5 | 5,9                | 4,3             | 3,2 | 2,6 |  |  |
| Hoa-lac            | 80                     | 4      | 10     | 1                                 | 3            | 0          | 0                     | 0          | 8            | 2          | 0              | —          | —   | —                  | —               | —   | —   |  |  |
| Phu-liên           | 95                     | 5      | 8      | 0                                 | 2            | 12         | 0                     | 0          | 10           | 7          | 0              | 5,1        | 5,2 | 6,0                | 3,6             | 3,2 | 3,3 |  |  |
| Hoa-binh           | 52                     | 3      | 8      | 4                                 | 0            | 3          | 2                     | 0          | 13           | 3          | 0              | 8,0        | 6,3 | 6,6                | 7,7             | 5,9 | 6,3 |  |  |
| Nam-dinh           | 79                     | 4      | 8      | 8                                 | 6            | 15         | 0                     | 0          | 9            | 4          | 0              | 5,3        | 6,3 | 7,0                | 4,3             | 5,1 | 5,2 |  |  |
| Phat-diêm          | 77                     | 5      | 8      | 3                                 | 0            | 0          | 1                     | 0          | 1            | 12         | 0              | —          | —   | 3,6                | —               | —   | 3,5 |  |  |
| Annam              |                        |        |        |                                   |              |            |                       |            |              |            |                |            |     |                    |                 |     |     |  |  |
| Thanh-hoa          | 84                     | 5      | 13     | 6                                 | 0            | 14         | 1                     | 0          | 11           | 3          | 0              | 6,2        | 6,8 | 7,1                | 2,7             | 2,5 | 2,6 |  |  |
| Nhu-xuan           |                        |        |        |                                   |              |            |                       |            |              |            |                |            |     |                    |                 |     |     |  |  |
| Phu-qui            | 44                     | 3      | 10, 24 | 2                                 | 6            | 10         | 9                     | 0          | 12           | 0          | 0              | 7,9        | —   | 7,7                | —               | —   | —   |  |  |
| Dao-nguyên         | 45                     | 3      | 12     | —                                 | 1            | 0          | 2                     | 0          | —            | —          | 0              | —          | —   | 8,8                | —               | —   | —   |  |  |
| Vinh               | 58                     | 4      | 8      | 13                                | 16           | 10         | 2                     | 0          | 25           | 1          | 0              | 9,0        | 9,1 | 9,1                | 7,9             | 7,3 | 6,6 |  |  |
| Dong-hoi           | 54                     | 6      | 25     | 17                                | 10           | 0          | 7                     | 0          | 27           | 0          | 0              | 9,2        | 9,0 | 9,0                | 4,9             | 4,7 | 3,8 |  |  |
| Quang-tri          | 46                     | 4      | 9, 25  | 23                                | 5            | 0          | 0                     | 0          | 23           | 0          | 0              | 8,9        | 9,3 | 9,0                | 6,6             | 6,9 | 7,0 |  |  |
| Pattles (Paracels) | 116                    | 8      | 21     | 13                                | 4            | 0          | 4                     | 0          | 18           | 1          | 4              | 8,4        | 7,7 | 7,7                | 3,9             | 4,0 | 4,9 |  |  |
| Hue                | 35                     | 4      | 10     | 25                                | 8            | 0          | 0                     | 0          | 25           | 0          | 0              | 9,4        | 9,3 | 9,1                | 7,4             | 7,9 | 6,9 |  |  |
| Tientcha           | 51                     | 5      | 8      | 26                                | 0            | 0          | 13                    | 0          | 27           | 0          | 2              | 9,4        | 9,0 | 9,1                | 7,2             | 6,4 | 6,9 |  |  |
| Tourane            | 77                     | 8      | 8      | 26                                | 8            | 0          | 9                     | 0          | 27           | 0          | 0              | 9,6        | 9,4 | 9,4                | 8,2             | 8,2 | 7,8 |  |  |
| Quangngai          | 48                     | 4      | 7      | 17                                | 7            | 2          | 8                     | 0          | 27           | 0          | 0              | 9,4        | 9,5 | 9,3                | 6,7             | 6,8 | 6,5 |  |  |
| Bongson            | 66                     | 6      | 25     | 24                                | 21           | 0          | 0                     | 0          | 19           | 1          | 0              | 8,3        | 8,4 | 8,1                | 8,3             | 8,4 | 8,1 |  |  |
| Kontum             | 66                     | 4      | 21     | 7                                 | 0            | 0          | 8                     | 0          | 6            | 0          | 0              | 6,7        | —   | 4,8                | 5,9             | —   | 3,5 |  |  |
| Dakdo              |                        |        |        |                                   |              |            |                       |            |              |            |                |            |     |                    |                 |     |     |  |  |
| Pleiku (S.M.)      | 103                    | 8      | 21     | 9                                 | 0            | 3          | 5                     | 1          | 17           | 0          | 0              | 7,2        | 8,7 | 9,7                | 2,7             | 4,6 | 7,4 |  |  |
| Pleiku (S.C.)      | 98                     | 5      | 20     | 7                                 | —            | —          | —                     | —          | —            | —          | 0              | —          | —   | —                  | —               | —   | —   |  |  |
| Yapuch             | 53                     | 3      | 24     | 5                                 | —            | —          | —                     | —          | —            | —          | 0              | —          | —   | —                  | —               | —   | —   |  |  |
| Qui-nhon           | 65                     | 5      | 21     | 20                                | 4            | 0          | 0                     | 0          | 17           | 0          | 0              | 7,6        | 7,8 | 8,1                | 6,5             | 7,3 | 7,2 |  |  |
| Tuy-hoa            | 87                     | 7      | 20     | 23                                | 3            | 3          | 1                     | 1          | 24           | 1          | 1              | 8,5        | 8,4 | 7,8                | 6,7             | 6,3 | 5,6 |  |  |
| Thach-ban          | 38                     | 3      | 6      | 21                                | 1            | 0          | 0                     | 0          | —            | —          | 0              | 8,1        | —   | 7,9                | 7,4             | —   | 7,5 |  |  |
| Banmethuot         | 59                     | 4      | 18, 21 | 7                                 | 4            | 2          | 2                     | 1          | 18           | 0          | 0              | 7,0        | 8,6 | 8,7                | 4,1             | 6,9 | 5,6 |  |  |

# RÉSUMÉ DES OBSERVATIONS

## d'Evaporation, Temps et Nébulosité

Mois de Novembre 1938

| STATIONS            | Evaporation<br>(en mm) |        |         | TEMPS<br>Nombre de jours de : |              |            |                     |            |              |            |              |            | Nébulosité moyenne |     |                 |     |     |  |
|---------------------|------------------------|--------|---------|-------------------------------|--------------|------------|---------------------|------------|--------------|------------|--------------|------------|--------------------|-----|-----------------|-----|-----|--|
|                     | totale                 | Max.   |         | Pluie<br>●                    | Grachin<br>☿ | Rosée<br>D | Bd<br>matinaux<br>≡ | Orage<br>⚡ | ciel         |            | tempête<br>⚡ | totale (N) |                    |     | inférieure (Nl) |     |     |  |
|                     |                        | valeur | date    |                               |              |            |                     |            | couvert<br>☁ | clair<br>☀ |              | 6h         | 10h                | 14h | 6h              | 10h | 14h |  |
|                     |                        |        |         |                               |              |            |                     |            |              |            |              |            |                    |     |                 |     |     |  |
| Nhatrang            | 60                     | 6      | 21      | 22                            | 0            | 4          | 3                   | 1          | 23           | 0          | 1            | 9,3        | 8,1                | 8,2 | 7,9             | 6,8 | 6,9 |  |
| Dalat               | 58                     | 3      | 21, 29  | 9                             | 0            | 0          | 0                   | 0          | —            | —          | 0            | —          | —                  | 6,8 | —               | —   | —   |  |
| Petit Langbian      | 56                     | 5      | 21      | 13                            | 1            | 3          | 0                   | 4          | 15           | 0          | 0            | 7,4        | —                  | 8,0 | 4,7             | —   | 6,2 |  |
| Diom                | 58                     | 5      | 21      | 12                            | 5            | 9          | 13                  | 3          | 10           | 0          | 0            | 6,6        | —                  | 7,2 | 4,4             | —   | 4,7 |  |
| Langhanh            | 38                     | 3      | 17, 21  | 11                            | 0            | 0          | 7                   | 0          | 5            | 13         | 0            | —          | —                  | —   | —               | —   | —   |  |
| Djiring             | 50                     | 4      | 19      | 14                            | 4            | 4          | 3                   | 1          | 14           | 0          | 0            | 7,6        | —                  | 7,3 | 5,2             | —   | 4,8 |  |
| Blaio (Daklongpoul) | 51                     | 4      | 21, 22  | 14                            | 0            | 13         | 18                  | 6          | 17           | 0          | 0            | —          | —                  | 7,6 | —               | —   | 6,9 |  |
| Padaran             | 118                    | 10     | 21      | 7                             | 2            | 0          | 0                   | 0          | 28           | 0          | 0            | 9,5        | 8,9                | 9,3 | 3,5             | 3,7 | 3,7 |  |
| Phan-thiêt          | 73                     | 6      | 19      | 2                             | 0            | 16         | 1                   | 2          | 14           | 1          | 0            | 7,7        | 7,4                | 7,7 | 3,1             | 2,8 | 3,0 |  |
| Cochinchine         |                        |        |         |                               |              |            |                     |            |              |            |              |            |                    |     |                 |     |     |  |
| Thuan-loi           | 52                     | 2      | 2, 9    | 12                            | 0            | 0          | 0                   | 0          | 10           | 0          | 0            | 8,1        | —                  | 6,3 | —               | —   | —   |  |
| Dau-tieng           | 72                     | 5      | 22      | 7                             | 0            | 0          | 0                   | 0          | 14           | 0          | 0            | 6,8        | —                  | 7,2 | —               | —   | —   |  |
| Bong-trang          | 68                     | 4      | 21      | 13                            | 0            | —          | —                   | —          | —            | —          | —            | —          | —                  | —   | —               | —   | —   |  |
| Ben-cat             | 54                     | 3      | 22      | 8                             | 1            | 0          | 0                   | 0          | 12           | 0          | 0            | 7,5        | —                  | 7,9 | —               | —   | —   |  |
| Gia-ray             | 75                     | 6      | 25      | 4                             | 0            | 21         | 2                   | 0          | 13           | 0          | 3            | 7,7        | —                  | 7,4 | —               | —   | —   |  |
| Xuan-loc            | 65                     | 3      | 22      | 3                             | 0            | —          | —                   | —          | —            | —          | —            | —          | —                  | —   | —               | —   | —   |  |
| Trang-bom           | 43                     | 2      | 3 dates | 8                             | —            | —          | —                   | —          | 0            | 0          | 0            | 5,3        | —                  | 6,1 | 3,6             | —   | 4,3 |  |
| Tan-chau            | 80                     | 5      | 21      | 5                             | 0            | 0          | 0                   | 0          | 10           | 0          | 0            | —          | —                  | 6,2 | —               | —   | —   |  |
| Saigon              | 64                     | 4      | 25      | 17                            | 0            | 19         | 0                   | 7          | 14           | 0          | 0            | 8,0        | 7,5                | 8,1 | 3,6             | 3,9 | 4,4 |  |
| Hatien              | 95                     | 8      | 21      | 9                             | 0            | 11         | 0                   | 6          | 9            | 2          | 0            | 5,7        | 6,4                | 6,4 | 1,5             | 1,9 | 2,8 |  |
| Cap Saint-Jacques   | 103                    | 8      | 26      | 7                             | 5            | 0          | 9                   | 5          | 20           | 0          | 0            | 8,7        | 8,2                | 8,2 | 3,8             | 3,9 | 3,9 |  |
| Cantho              | 67                     | 4      | 21      | 14                            | 3            | 3          | 0                   | 7          | 21           | 0          | 0            | 8,5        | 8,2                | 8,6 | 5,8             | 4,7 | 4,9 |  |
| Poulo-Condore       | 57                     | 4      | 21      | 15                            | 0            | 0          | 0                   | 0          | 15           | 0          | 0            | 7,5        | 8,0                | 8,4 | 3,9             | 3,5 | 3,4 |  |
| Poulo-Obi           | 48                     | 3      | 24      | 17                            | 0            | 0          | 4                   | 1          | 24           | 0          | 1            | 8,4        | 8,5                | 8,7 | 3,9             | 3,2 | 3,4 |  |
| Cambodge            |                        |        |         |                               |              |            |                     |            |              |            |              |            |                    |     |                 |     |     |  |
| Sisophon            | 49                     | 3      | 25      | 5                             | 0            | 0          | 0                   | 1          | 6            | 4          | 0            | 4,6        | 4,2                | 4,5 | 1,6             | 1,2 | 1,7 |  |
| Stungtreng          | 57                     | 3      | 25      | 2                             | 0            | 23         | 0                   | 2          | 11           | 0          | 0            | 7,5        | 6,3                | 6,3 | 2,5             | 0,5 | 2,5 |  |
| Siemréap            | 68                     | 4      | 25      | 7                             | 1            | 13         | 0                   | 3          | 10           | 1          | 0            | 6,7        | 6,6                | 5,7 | 3,8             | 2,7 | 2,5 |  |
| Battambang          | 79                     | 5      | 22, 25  | 9                             | 1            | 17         | 0                   | 2          | 11           | 0          | 0            | 7,4        | 6,7                | 7,5 | 1,4             | 0,7 | 3,5 |  |
| Kompongthom         | 55                     | 3      | 21      | 10                            | 0            | 1          | 0                   | 3          | 8            | 0          | 0            | 7,1        | 6,6                | 6,1 | 5,0             | 5,1 | 3,2 |  |
| Pursat              | 70                     | 4      | 22      | 9                             | 0            | 30         | 1                   | 0          | 12           | 0          | 0            | 7,0        | 7,2                | 7,8 | 2,1             | 2,0 | 3,9 |  |
| Kratie              | 57                     | 3      | 3 dates | 12                            | 5            | 0          | 6                   | 1          | 22           | 0          | 1            | 9,1        | —                  | 8,8 | 5,4             | —   | 4,9 |  |
| Le Rolland          | 98                     | 6      | 25      | 6                             | 1            | 0          | 0                   | 1          | 9            | 3          | 0            | 6,6        | 5,3                | 5,9 | 3,6             | 1,6 | 2,2 |  |
| Kompongchnang       | 67                     | 4      | 17, 22  | 7                             | 4            | 0          | 0                   | 0          | 4            | 0          | 0            | 6,7        | —                  | 6,1 | —               | —   | —   |  |
| Kompongcham         | 89                     | 5      | 3 dates | 8                             | 2            | 3          | 1                   | 2          | 13           | 1          | 2            | 7,7        | 6,9                | 7,1 | 2,8             | 1,2 | 2,0 |  |
| Phnom-penh          | 99                     | 6      | 24      | 7                             | 0            | 0          | 0                   | 0          | 12           | 0          | 0            | 5,9        | 5,6                | 7,0 | 1,8             | 1,6 | 3,2 |  |
| Hot-Cone            | 94                     | 6      | 21      | 9                             | 0            | 1          | 0                   | 0          | 8            | 0          | 0            | 5,9        | 7,2                | 7,3 | 2,6             | 1,9 | 3,9 |  |
| Soai-rieng          | 65                     | 4      | 3 dates | 6                             | 0            | —          | —                   | —          | —            | —          | —            | —          | —                  | —   | —               | —   | —   |  |
| Kampot              |                        |        |         |                               |              |            |                     |            |              |            |              |            |                    |     |                 |     |     |  |
| Laos                |                        |        |         |                               |              |            |                     |            |              |            |              |            |                    |     |                 |     |     |  |
| Phongsaly           |                        |        |         | 0                             | —            | —          | —                   | —          | —            | —          | 0            | 4,8        | 3,9                | 4,3 | 2,5             | 3,0 | 2,4 |  |
| Banhoueisai         |                        |        |         |                               |              |            |                     |            |              |            |              |            |                    |     |                 |     |     |  |
| Luangprabang        | 53                     | 3      | 2       | 2                             | 0            | 10         | 8                   | 0          | 7            | 1          | 0            | —          | 6,6                | —   | —               | 2,8 | —   |  |
| Nonghet             | 40                     | 3      | 9       | 4                             | 6            | 6          | 0                   | 0          | 4            | 3          | 0            | 4,9        | —                  | 4,5 | 4,0             | —   | 4,0 |  |
| Tran Ninh           | 96                     | 5      | 9       | 1                             | 0            | 15         | 3                   | 0          | 6            | 1          | 0            | 7,6        | 5,6                | 4,4 | 5,3             | 4,5 | 1,9 |  |
| Xiengkhouang        | 56                     | 3      | 21      | 1                             | 0            | 3          | 16                  | 0          | 9            | 1          | 0            | —          | —                  | 5,4 | —               | —   | 5,4 |  |
| Paksane             | 85                     | 5      | 12      | 0                             | 0            | 23         | 0                   | 0          | 3            | 15         | 0            | 2,6        | 2,4                | 3,0 | 0,2             | 0,1 | 1,0 |  |
| Napè                | 82                     | 5      | 9       | 2                             | 0            | 0          | 1                   | 0          | 8            | 5          | »            | 5,1        | 5,5                | 5,9 | 3,6             | 4,5 | 3,5 |  |
| Vientiane           | 72                     | 3      | 4 dates | 0                             | 0            | 27         | 2                   | 0          | 2            | 6          | 0            | 4,6        | 3,4                | 4,4 | 1,4             | 0,8 | 2,4 |  |
| Boneng              | 114                    | 6      | 12      | 2                             | 0            | 0          | 0                   | 0          | —            | —          | 0            | —          | —                  | —   | —               | —   | —   |  |
| Thakhek             | 77                     | 4      | 13      | 0                             | 0            | 21         | 2                   | 0          | 8            | 4          | 0            | 3,3        | 3,8                | 5,8 | 0,6             | 0,4 | 3,4 |  |
| Savannakhet         | 100                    | 4      | 13      | 1                             | 0            | 17         | 1                   | 0          | 6            | 6          | 0            | 3,0        | 5,6                | 5,7 | 0,6             | 0,7 | 3,1 |  |
| Bolovens (Paksong)  | 63                     | 3      | 8       | 4                             | 0            | 21         | 0                   | 0          | 2            | 0          | 5            | 3,5        | —                  | 7,5 | —               | —   | —   |  |
| Paksé               | 83                     | 4      | 24      | 1                             | 0            | 20         | 0                   | 0          | 13           | 0          | 4            | 7,6        | 6,2                | 8,0 | 0,2             | 1,1 | 4,1 |  |

VENT AU SOL — Nombre d'observations en directions et forces (Echelle Beaufort)  
(6h. 8 h. 10 h. 14 h. et 16 h.)

| STATIONS               | N            |           | NE  |           | E   |           | SE  |           | S   |           | SW  |           | W   |           | NW  |           | Calme | Transport moyen en m/sec |     |     |    |  |
|------------------------|--------------|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-------|--------------------------|-----|-----|----|--|
|                        | Observations |           |     |           |     |           |     |           |     |           |     |           |     |           |     |           |       | N                        | E   |     |    |  |
|                        | 1            | 2,3,4,5,6 | 1   | 2,3,4,5,6 | 1   | 2,3,4,5,6 | 1   | 2,3,4,5,6 | 1   | 2,3,4,5,6 | 1   | 2,3,4,5,6 | 1   | 2,3,4,5,6 | 1   | 2,3,4,5,6 |       |                          |     |     |    |  |
| <b>Yunnan</b>          |              |           |     |           |     |           |     |           |     |           |     |           |     |           |     |           |       |                          |     |     |    |  |
| Yunnanfou (1)          | 90           | 2         | —   | 7         | —   | 2         | 1   | —         | —   | 8         | —   | 22        | 1   | —         | 19  | 1         | —     | 5                        | 1   | —   | 21 |  |
| <b>Kouangtchéouwan</b> |              |           |     |           |     |           |     |           |     |           |     |           |     |           |     |           |       |                          |     |     |    |  |
| Fort-Bayard            | 150          | —         | 3   | —         | 2   | 53        | 21  | 1         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 2  |  |
| <b>Tonkin</b>          |              |           |     |           |     |           |     |           |     |           |     |           |     |           |     |           |       |                          |     |     |    |  |
| Bao-lac (2)            | 62           | 1         | —   | 14        | 1   | —         | —   | —         | —   | 2         | —   | 8         | 3   | —         | —   | —         | 3     | 1                        | —   | —   | 22 |  |
| Ha-giang (2)           | 51           | 1         | —   | —         | —   | —         | —   | —         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 48 |  |
| Hoangsouphi (2)        | 36           | —         | —   | —         | —   | —         | —   | —         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 28 |  |
| Cao-bang (2)           | 62           | —         | 2   | 4         | —   | —         | —   | —         | —   | —         | —   | 8         | 2   | —         | 1   | —         | 4     | —                        | —   | —   | 35 |  |
| Lao-kay                | 117          | —         | —   | —         | —   | —         | 6   | 1         | —   | 17        | 9   | 1         | —   | 7         | —   | —         | —     | —                        | —   | —   | 73 |  |
| That-khé (2)           | 61           | 3         | —   | —         | —   | —         | —   | —         | —   | 1         | —   | 1         | 1   | —         | —   | —         | 5     | —                        | —   | —   | 23 |  |
| Bao-ha                 | 139          | 1         | —   | —         | —   | —         | —   | —         | —   | 1         | —   | —         | —   | —         | 17  | 9         | 15    | 6                        | —   | —   | 12 |  |
| Lang-son               | 137          | 15        | 26  | 4         | —   | —         | 1   | 1         | —   | 1         | —   | —         | —   | —         | 33  | —         | 5     | 1                        | —   | —   | 48 |  |
| Loc-binh (2)           | 59           | —         | 1   | —         | —   | —         | 3   | —         | —   | —         | —   | 1         | —   | —         | —   | —         | 2     | —                        | —   | —   | 12 |  |
| Moneay                 | 141          | 3         | 5   | —         | —   | —         | 2   | 11        | —   | —         | —   | —         | 1   | —         | —   | —         | 1     | —                        | —   | —   | 12 |  |
| Son-la                 | 134          | —         | —   | —         | —   | —         | 4   | 14        | —   | —         | —   | —         | 2   | —         | —   | —         | 2     | —                        | —   | —   | 75 |  |
| Tong (2)               | 56           | 7         | 4   | —         | —   | —         | 4   | 3         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 20 |  |
| Gia-lam (aéroport) (3) | 178          | 10        | 50  | 4         | —   | —         | 2   | —         | —   | —         | —   | 3         | 4   | —         | —   | —         | 2     | —                        | —   | —   | 4  |  |
| Hoa-binh               | 135          | 4         | 4   | 10        | 2   | —         | 3   | 2         | —   | 3         | 2   | —         | —   | —         | 4   | —         | —     | —                        | —   | —   | 23 |  |
| Nam-dinh (3)           | 180          | 11        | —   | 10        | 15  | —         | 7   | 13        | —   | 12        | 9   | —         | 19  | 3         | —   | —         | 4     | —                        | —   | —   | 3  |  |
| Phu-lien (1)           | 14           | —         | 5,5 | 29        | 5,0 | 32        | 5,4 | 11        | 4,7 | 7         | 4,0 | 1         | 2,5 | 1         | 1,7 | 4         | 5,2   | 1                        | 1,3 | 3,1 | 1  |  |
| <b>Annam</b>           |              |           |     |           |     |           |     |           |     |           |     |           |     |           |     |           |       |                          |     |     |    |  |
| Thanh-hoa              | 139          | 2         | 34  | 2         | —   | 1         | —   | —         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 2  |  |
| Vinh                   | 150          | 9         | 2   | 1         | 4   | —         | 1   | 1         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 53 |  |
| Dong-hoi               | 132          | 6         | 18  | 3         | 1   | 7         | —   | —         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 27 |  |
| Quang-tri              | 142          | 3         | 37  | 4         | —   | 3         | 14  | 4         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 7  |  |
| Patties                | 140          | —         | 21  | 5         | 5   | 1         | —   | —         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 27 |  |
| Huê                    | 140          | 2         | 7   | 1         | 1   | 11        | 28  | 6         | —   | 4         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 0  |  |
| Tourane                | 150          | 9         | 32  | 4         | —   | 11        | 12  | —         | —   | —         | —   | 10        | 10  | —         | 7   | 16        | 3     | 9                        | 1   | —   | 5  |  |
| Quang-ngai             | 140          | 2         | 42  | —         | —   | —         | —   | —         | —   | —         | —   | 2         | —   | —         | —   | —         | —     | —                        | —   | —   | 26 |  |
| Bong-son               | 142          | 56        | 44  | 2         | —   | 1         | —   | —         | —   | —         | —   | 5         | —   | —         | —   | —         | —     | —                        | —   | —   | 53 |  |
| Kontum (4)             | 90           | 1         | —   | —         | —   | 20        | 13  | —         | —   | —         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 25 |  |
| Pleiku (S.M.)          | 134          | 11        | 42  | —         | —   | 4         | 41  | —         | —   | —         | —   | 3         | 3   | —         | —   | —         | —     | —                        | —   | —   | 53 |  |
| Qui-nhon               | 136          | 11        | 70  | 4         | —   | 1         | 21  | 3         | —   | 1         | —   | —         | —   | —         | —   | —         | —     | —                        | —   | —   | 25 |  |
| Tuy-hoa                | 141          | 17        | 40  | 1         | —   | 15        | 25  | —         | —   | 5         | —   | 3         | —   | —         | 14  | 3         | —     | —                        | —   | —   | 5  |  |
| Banmethuot             | 134          | 2         | 2   | —         | —   | 5         | 15  | —         | —   | —         | —   | 1         | —   | —         | —   | —         | —     | —                        | —   | —   | 3  |  |

(\*) Observations de 2 heures en 2 heures — 1er nombre = fréquence en % 2e nombre = vitesse moyenne en mètres par seconde

(6h, 8h, 10h, 14h, et 16h.)

|     |                 |    |     |     |        |
|-----|-----------------|----|-----|-----|--------|
| (5) | Observations de | 6h | 10h | et  | 14h    |
| (6) | id              | 7h | 10h | et  | 16h    |
| (7) | id              | 6h | 8h  | 10h | et 14h |
| (8) | id              | 8h | 14h | et  | 17h    |

## Résumé des Observations pluviométriques

Mois de Novembre 1938

| STATIONS              | Quantité de pluie |                    |                      |             |       | Nombre de jours de pluie |          |          |           |           |       | Pluviosité moyenne par bassin |          |                    |                          |
|-----------------------|-------------------|--------------------|----------------------|-------------|-------|--------------------------|----------|----------|-----------|-----------|-------|-------------------------------|----------|--------------------|--------------------------|
|                       | totale            | Ecart à la moyenne | R<br>Nuit<br>R Total | Max. diurne | date  | R ≤ 1mm                  | R ≤ 10mm | R ≤ 50mm | R ≤ 100mm | R > 100mm | total | Bassin                        | Quantité | Ecart à la moyenne | Nombre de jours de pluie |
|                       | mm                | mm                 | x100                 | mm          |       |                          |          |          |           |           |       |                               | mm       | mm                 |                          |
| Trung-khanh-phu       | 20                | - 12               | 70                   | 16          | 14    | 1                        | 2        | 1        | 0         | 0         | 4     | Sikang supérieur              | 9        | - 21               | 3                        |
| Cao-bang              | 9                 | - 29               | 67                   | 7           | 14    | 0                        | 2        | 0        | 0         | 0         | 2     |                               |          |                    |                          |
| Ngân-son              | 10                | - 27               | 70                   | 5           | 15    | 0                        | 3        | 0        | 0         | 0         | 3     |                               |          |                    |                          |
| Thất-khê              | 7                 | - 25               | 57                   | 4           | 14    | 0                        | 3        | 0        | 0         | 0         | 3     |                               |          |                    |                          |
| Yên-lac               | 1                 | - 34               | 100                  | 1           | 11    | 1                        | 0        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Nacham                | 1                 | - 10               | 0                    | 1           | 11    | 1                        | 0        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Pho-binh-gia          | 15                | - 11               | 100                  | 6           | 13    | 1                        | 4        | 0        | 0         | 0         | 5     |                               |          |                    |                          |
| Lang-son              | 14                | - 19               | 64                   | 5           | 10    | 1                        | 4        | 0        | 0         | 0         | 5     |                               |          |                    |                          |
| Loc-binh              | 3                 | - 19               | 67                   | 2           | 15    | 1                        | 1        | 0        | 0         | 0         | 2     |                               |          |                    |                          |
| Moncay                | 74                | - 15               | 24                   | 40          | 10    | 3                        | 4        | 2        | 0         | 0         | 9     | Côtier Moncay-Cacha           | 38       | - 27               | 4                        |
| Hacoi (1)             | > 5               | - 66               | 80                   | 2 ?         | 15,27 | —                        | —        | —        | —         | —         | > 3   |                               |          |                    |                          |
| Mui-ngoc              | 32                | - 30               | 0                    | 32          | 10    | 0                        | 0        | 1        | 0         | 0         | 1     |                               |          |                    |                          |
| Pho-ba-che            | 23                | - 22               | 70                   | 8           | 10    | 2                        | 5        | 0        | 0         | 0         | 7     |                               |          |                    |                          |
| Port-Wallut (S.P.Ad.) | 119               | + 37               | 45                   | 46          | 2     | 2                        | 3        | 3        | 0         | 0         | 8     |                               |          |                    |                          |
| Port-Wallut (S.P.L.)  | 113               | - 83               | 39                   | 48          | 10    | 0                        | 3        | 3        | 0         | 0         | 6     |                               |          |                    |                          |
| Campha mine           | 15                | - 15               | 100                  | 11          | 11    | 0                        | 1        | 1        | 0         | 0         | 2     |                               |          |                    |                          |
| Hongay                | 3                 | - 29               | 100                  | 2           | 15    | 1                        | 1        | 0        | 0         | 0         | 2     |                               |          |                    |                          |
| Dong-bai              | 0                 | - 9                | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Cac-ba                | 0                 | - 33               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     | Delta du Thai-binh            | 3        | - 29               | 1                        |
| Sept-Pagodes          | 2                 | - 29               | 100                  | 2           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Mine-Clotilde         | 0                 | - 21               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Mao-khe               | 3                 | - 15               | 100                  | 3           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Uong-bi               | 2                 | - 18               | 100                  | 1           | 3,15  | 2                        | 0        | 0        | 0         | 0         | 2     |                               |          |                    |                          |
| Quang-Yên (S.P.Ad.)   | 1                 | - 33               | 100                  | 1           | 15    | 1                        | 0        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Quang-Yên (S.P.L.)    | 0                 | - 20               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Haïduong              | 7                 | - 14               | 86                   | 4           | 17    | 2                        | 2        | 0        | 0         | 0         | 4     |                               |          |                    |                          |
| Haiphong (Gare)       | 0                 | - 41               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Haiphong (Ciment.)    | 0                 | - 40               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     | Song Thai-binh                | 3        | - 30               | 1                        |
| Phu-Liên              | 0                 | - 56               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Ninh-giang            | 2                 | - 31               | 100                  | 2           | 3     | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Diêm-dien             | 20                | - 27               | 100                  | 10          | 1     | 1                        | 3        | 0        | 0         | 0         | 4     |                               |          |                    |                          |
| Bac-kañ               | 0                 | - 29               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Cho-chu               | 0                 | - 27               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Cho-moi               | 0                 | - 29               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Phan-me               | 0                 | - 41               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Thai-nguyên           | 0                 | - 44               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Dinh-láp              | 0                 | - 31               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     | Delta du Fleuve-Rouge         |          |                    |                          |
| Cau-son               | 5                 | - 17               | 40                   | 3           | 3     | 0                        | 2        | 0        | 0         | 0         | 2     |                               |          |                    |                          |
| Nghia-thuong          | 5                 | - 22               | 80                   | 5           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| An-chau               | 0                 | - 28               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Lúc-nam               | 5                 | - 27               | 100                  | 5           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Phu-lang-thuong(OIR)  | 8                 | - 28               | 100                  | 8           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Phu-lang-thuong(S.C.) | 8                 | - 29               | 75                   | 7           | 15    | 2                        | 1        | 0        | 0         | 0         | 3     |                               |          |                    |                          |
| Phan-son-nui          | 6                 | - 46               | 100                  | 6           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Bac-ninh              | 7                 | - 22               | 14                   | 7           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Vinh-yên              | 10                | - 32               | 0                    | 10          | 7     | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Phuc-yên              | 5                 | - 25               | 100                  | 5           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Son-tây               | 14                | - 34               | 86                   | 7           | 15    | 0                        | 2        | 0        | 0         | 0         | 2     |                               |          |                    |                          |
| Tho-khê               | 6                 | - 3                | 100                  | 6           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| My-khê                | 17                | - 49               | 100                  | 12          | 15    | 0                        | 1        | 1        | 0         | 0         | 2     |                               |          |                    |                          |
| Pont du Day           | 8                 | - 12               | 87                   | 6           | 15    | 1                        | 2        | 0        | 0         | 0         | 3     |                               |          |                    |                          |
| Lien-mac              | 4                 | —                  | 100                  | 4           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Gia-lâm (Gare)        | 0                 | - 36               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Gia-lâm (Aéroport)    | 0                 | - 19               | —                    | —           | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |          |                    |                          |
| Hanoi (Voirie)        | 6                 | - 35               | 100                  | 5           | 15    | 1                        | 1        | 0        | 0         | 0         | 2     |                               |          |                    |                          |
| Bachmai               | 4                 | - 47               | 100                  | 4           | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |

(1) Observations interrompues du 1er au 12.

## Résumé des Observations pluviométriques

Mois de Novembre 1938

| STATIONS            | Quantité de pluie |                    |                      |                |       | Nombre de jours de pluie |          |          |           |           |       | Pluviosité moyenne par bassin |                |                                |                             |
|---------------------|-------------------|--------------------|----------------------|----------------|-------|--------------------------|----------|----------|-----------|-----------|-------|-------------------------------|----------------|--------------------------------|-----------------------------|
|                     | totale            | Ecart à la moyenne | R<br>Nuit<br>R Total | Max.<br>diurne | date  | R ≤ 1mm                  | R ≤ 10mm | R ≤ 50mm | R ≤ 100mm | R > 100mm | total | Bassin                        | Quantité<br>mm | Ecart<br>à la<br>moyenne<br>mm | Nombre de jours<br>de pluie |
|                     |                   |                    |                      |                |       |                          |          |          |           |           |       |                               |                |                                |                             |
| Hanoi (OIR)         |                   |                    |                      |                |       |                          |          |          |           |           |       |                               |                |                                |                             |
| Hoa-Lac             | 10                | - 7                | 100                  | 10             | 15    | 0                        | 1        | 0        | 0         | 0         | 1     | Delta du Fleuve Rouge (suite) | 7              | - 37                           | 1                           |
| Mochen              | 0                 | - 52               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Hadong (T. P.)      | 5                 | - 7                | 100                  | 5              | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Hadong (I. R. A.)   |                   |                    |                      |                |       |                          |          |          |           |           |       |                               |                |                                |                             |
| Bân-yên-nhân        | 2                 | - 29               | 100                  | 2              | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Xuân-thuy           | 3                 | - 59               | 100                  | 3              | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Khoai-Châu          | 0                 | - 49               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Thuong-tin          | 3                 | - 4                | 100                  | 3              | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Hung-Yên            | 0                 | - 44               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Phu-Ly              | 0                 | - 15               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Dai-dong            | 0                 | - 91               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     | Fleuve Rouge                  | 15             | - 40                           | 2                           |
| Thai-binh (S.P.Ad.) | 0                 | - 55               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Thai-binh (O.I.R.)  | 1                 | - 70               | 100                  | 1              | 29    | 1                        | 0        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Nam-dinh            | 7                 | - 49               | 0                    | 5              | 3     | 7                        | 1        | 0        | 0         | 0         | 8     |                               |                |                                |                             |
| Phu-nho-quan        | 0                 | - 52               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Ninh-binh           | 32                | - 37               | 94                   | 28             | 2     | 0                        | 2        | 1        | 0         | 0         | 3     |                               |                |                                |                             |
| Van-ly              | 0                 | - 64               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Phat-diêm           | 47                | - 35               | 89                   | 38             | 2     | 0                        | 2        | 1        | 0         | 0         | 3     |                               |                |                                |                             |
| Muong-khuong        | 0                 | - 75               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Ba-xat              | 88                | + 42               | 91                   | 73             | 5     | 0                        | 2        | 0        | 1         | 0         | 3     |                               |                |                                |                             |
| Lao-kay             | 3                 | - 57               | 33                   | 2              | 14    | 3                        | 1        | 0        | 0         | 0         | 4     | Rivière Claire                | 13             | - 37                           | 2                           |
| Pho-moi             | 0                 | - 55               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Chapa               | 39                | - 78               | 72                   | 13             | 12,14 | 1                        | 3        | 2        | 0         | 0         | 6     |                               |                |                                |                             |
| Bao-ha              | 16                | - 18               | 94                   | 9              | 12    | 1                        | 2        | 0        | 0         | 0         | 3     |                               |                |                                |                             |
| Yen-bay             | 0                 | - 51               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Nghia-lo            | 8                 | - 16               | 13                   | 6              | 14    | 0                        | 2        | 0        | 0         | 0         | 2     |                               |                |                                |                             |
| Thanh-ba            | 6                 | - 54               | 100                  | 4              | 4     | 1                        | 2        | 0        | 0         | 0         | 3     |                               |                |                                |                             |
| Phu-bo              | 5                 | - 31               | 100                  | 3              | 15    | 1                        | 2        | 0        | 0         | 0         | 3     |                               |                |                                |                             |
| Viêtri              | 1                 | - 48               | 0                    | 1              | 7     | 1                        | 0        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Yen-minh            | 38                | - 6                | 71                   | 21             | 14    | 0                        | 3        | 1        | 0         | 0         | 4     | Rivière Noire                 | 11             | - 19                           | 2                           |
| Bao-lac             | 26                | - 13               | 35                   | 18             | 14    | 0                        | 2        | 1        | 0         | 0         | 3     |                               |                |                                |                             |
| Hà-giang            | 36                | - 77               | 64                   | 14             | 14    | 1                        | 3        | 2        | 0         | 0         | 6     |                               |                |                                |                             |
| Pakha               | 3                 | - 39               | 100                  | 2              | 5     | 1                        | 1        | 0        | 0         | 0         | 2     |                               |                |                                |                             |
| Cho-ra              | 5                 | - 18               | 100                  | 5              | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Na-don              | 5                 | - 29               | 100                  | 5              | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Luc-an-chau         | 11                | - 33               | 100                  | 6              | 15    | 2                        | 2        | 0        | 0         | 0         | 4     |                               |                |                                |                             |
| Tuyên-quang         | 0                 | - 36               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Tam-dao             | 2                 | - 91               | 100                  | 1              | 15,29 | 2                        | 0        | 0        | 0         | 0         | 2     |                               |                |                                |                             |
| Lien-son            | 0                 | - 27               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Phong-tho           | 0                 | - 20               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     | Sông Ma                       | 6              | - 33                           | 1                           |
| Lai-chau            | 5                 | - 36               | 100                  | 3              | 15    | 0                        | 2        | 0        | 0         | 0         | 2     |                               |                |                                |                             |
| Thuan-chau          | 20                | - 7                | 0                    | 14             | 15    | 0                        | 1        | 1        | 0         | 0         | 2     |                               |                |                                |                             |
| Son-la              | 8                 | - 27               | 100                  | 8              | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| La-pho              | 9                 | - 38               | 67                   | 8              | 15    | 3                        | 1        | 0        | 0         | 0         | 4     |                               |                |                                |                             |
| Dachong             | 6                 | - 20               | 100                  | 4              | 14    | 0                        | 2        | 0        | 0         | 0         | 2     |                               |                |                                |                             |
| Van-yên             | 16                | + 2                | 100                  | 15             | 15    | 2                        | 0        | 1        | 0         | 0         | 3     |                               |                |                                |                             |
| Moc-chau            | 21                | - 3                | 52                   | 7              | 10    | 0                        | 4        | 0        | 0         | 0         | 4     |                               |                |                                |                             |
| Hoa-binh            | 13                | - 12               | 77                   | 8              | 15    | 2                        | 2        | 0        | 6         | 0         | 4     |                               |                |                                |                             |
| Cho-bo              | 7                 | - 28               | 57                   | 7              | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Xieng-Kho           | 15                | + 2                | 80                   | 13             | 15    | 0                        | 1        | 1        | 0         | 0         | 2     |                               |                |                                |                             |
| Muong-Sone          | 12                | - 6                | 42                   | 11             | 15    | 1                        | 0        | 1        | 0         | 0         | 2     |                               |                |                                |                             |
| Vu-ban              | 6                 | - 32               | 100                  | 6              | 15    | 0                        | 1        | 0        | 0         | 0         | 1     |                               |                |                                |                             |
| Hoi-xuân            | 8                 | - 14               | 63                   | 4              | 15    | 0                        | 3        | 0        | 0         | 0         | 3     |                               |                |                                |                             |
| Phong-y             | 0                 | - 54               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |
| Vân-đu              | 9                 | - 38               | —                    | —              | —     | 0                        | 0        | 0        | 0         | 0         | 0     |                               |                |                                |                             |

## Résumé des Observations pluviométriques

Mois de Novembre 1938

| STATIONS    | Quantité de pluie |                    |                        |             |       | Nombre de jours de pluie |               |               |                |                |       | Pluviosité moyenne par bassin |          |                    |                          |                                     |    |      |   |
|-------------|-------------------|--------------------|------------------------|-------------|-------|--------------------------|---------------|---------------|----------------|----------------|-------|-------------------------------|----------|--------------------|--------------------------|-------------------------------------|----|------|---|
|             | totale            | Ecart à la moyenne | R Nuit<br>R Total x100 | Max. diurne | date  | R $\leq$ 1mm             | R $\leq$ 10mm | R $\leq$ 50mm | R $\leq$ 100mm | R $\geq$ 100mm | total | Bassin                        | Quantité | Ecart à la moyenne | Nombre de jours de pluie |                                     |    |      |   |
|             | mm                | mm                 |                        | mm          |       |                          |               |               |                |                |       |                               | mm       | mm                 |                          |                                     |    |      |   |
| Cam-hoang   | 1                 | - 81               | 100                    | 1           | 3     | 1                        | 0             | 0             | 0              | 0              | 1     | Sông Ma<br>(suite)            |          |                    |                          |                                     |    |      |   |
| Bim-son     | 0                 | - 36               | —                      | —           | —     | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |                                     |    |      |   |
| Lach-truong | 13                | - 42               | 100                    | 13          | 1     | 0                        | 0             | 1             | 0              | 0              | 1     |                               |          |                    |                          |                                     |    |      |   |
| Sam-neua    | 13                | - 7                | 69                     | 5           | 16    | 0                        | 4             | 0             | 0              | 0              | 4     | Sông Chu                      | 4        | - 52               | 2                        |                                     |    |      |   |
| Muong-Soi   | 9                 | - 8                | 56                     | 6           | 15    | 0                        | 2             | 0             | 0              | 0              | 2     |                               |          |                    |                          |                                     |    |      |   |
| Sam-teu     | 0                 | - 22               | —                      | —           | —     | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |                                     |    |      |   |
| Phuc-dia    | 0                 | - 65               | —                      | —           | —     | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |                                     |    |      |   |
| Ma-hum      | 0                 | - 88               | —                      | —           | —     | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |                                     |    |      |   |
| Bai-thuong  | 8                 | - 128              | 100                    | 5           | 2     | 0                        | 2             | 0             | 0              | 0              | 2     | Sông Ca                       | 25       | - 63               | 7                        |                                     |    |      |   |
| Triêu-tiên  | 1                 | - 27               | 100                    | 1           | 2     | 1                        | 0             | 0             | 0              | 0              | 1     |                               |          |                    |                          |                                     |    |      |   |
| Tho-hac     | 1                 | - 27               | 100                    | 1           | 2     | 1                        | 0             | 0             | 0              | 0              | 1     |                               |          |                    |                          |                                     |    |      |   |
| Thanh-hoa   | 4                 | - 70               | 100                    | 3           | 2     | 5                        | 1             | 0             | 0              | 0              | 6     |                               |          |                    |                          |                                     |    |      |   |
| Houa-muong  | 0                 | - 12               | —                      | —           | —     | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |                                     |    |      |   |
| Ke-bon      | 19                | - 19               | 79                     | 6           | 20    | 0                        | 5             | 0             | 0              | 0              | 5     | Sông Ca                       |          |                    |                          |                                     |    |      |   |
| Nong-het    | 2                 | - 21               | 100                    | 1           | 16    | 4                        | 0             | 0             | 0              | 0              | 4     |                               |          |                    |                          |                                     |    |      |   |
| Muong-sen   | 0                 | - 3                | —                      | —           | —     | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |                                     |    |      |   |
| Phu-qui     | 6                 | - 48               | 100                    | 5           | 6     | 1                        | 1             | 0             | 0              | 0              | 2     |                               |          |                    |                          |                                     |    |      |   |
| Cat-mong    | 7                 | - 23               | 100                    | 4           | 18    | 0                        | 2             | 0             | 0              | 0              | 2     |                               |          |                    |                          |                                     |    |      |   |
| Cua-rao     | 6                 | - 47               | 83                     | 3           | 11    | 0                        | 3             | 0             | 0              | 0              | 3     |                               |          |                    |                          |                                     |    |      |   |
| Khe-khuong  | 16                | - 38               | 31                     | 6           | 2     | 3                        | 5             | 0             | 0              | 0              | 8     |                               |          |                    |                          |                                     |    |      |   |
| Dong-my     | 31                | - 62               | 81                     | 16          | 2     | 0                        | 5             | 1             | 0              | 0              | 6     |                               |          |                    |                          |                                     |    |      |   |
| Do-luong    | 5                 | - 72               | 100                    | 4           | 6     | 1                        | 1             | 0             | 0              | 0              | 2     |                               |          |                    |                          |                                     |    |      |   |
| Yen-vinh    | 35                | - 49               | 51                     | 8           | 21    | 4                        | 9             | 0             | 0              | 0              | 13    |                               |          |                    |                          |                                     |    |      |   |
| Vinh        | 45                | - 147              | 27                     | 10          | 19    | 5                        | 8             | 0             | 0              | 0              | 13    | Sông Ca                       |          |                    |                          |                                     |    |      |   |
| Do-trai     | 59                | - 122              | 36                     | 22          | 19    | 0                        | 10            | 2             | 0              | 0              | 12    |                               |          |                    |                          |                                     |    |      |   |
| Trung-luong | 66                | - 23               | 45                     | 16          | 22    | 5                        | 8             | 2             | 0              | 0              | 15    |                               |          |                    |                          |                                     |    |      |   |
| Linh-cam    | 43                | - 45               | 37                     | 10          | 22    | 3                        | 6             | 0             | 0              | 0              | 9     |                               |          |                    |                          |                                     |    |      |   |
| Pho-chau    | 38                | - 56               | 63                     | 9           | 20    | 0                        | 9             | 0             | 0              | 0              | 9     |                               |          |                    |                          |                                     |    |      |   |
| Voi-bo      | 46                | - 140              | 26                     | 15          | 22    | 1                        | 8             | 1             | 0              | 0              | 10    |                               |          |                    |                          |                                     |    |      |   |
| Cam-trang   | 25                | - 209              | 16                     | 6           | 4     | 0                        | 7             | 0             | 0              | 0              | 7     |                               |          |                    |                          |                                     |    |      |   |
| Chu-le      | 4                 | - 54               | 0                      | 2           | 18,28 | 0                        | 2             | 0             | 0              | 0              | 2     |                               |          |                    |                          |                                     |    |      |   |
| Ngoc-giap   | 9                 | - 132              | 89                     | 8           | 19    | 3                        | 1             | 0             | 0              | 0              | 4     |                               |          |                    |                          | Littoral<br>Samson-Benthuay         | 17 | - 81 | 3 |
| Nhu-xuan    | 38                | - 67               | 0                      | 24          | 4     | 0                        | 2             | 1             | 0              | 0              | 3     |                               |          |                    |                          |                                     |    |      |   |
| Yen-my      | 14                | - 61               | 100                    | 7           | 21    | 1                        | 2             | 0             | 0              | 0              | 3     |                               |          |                    |                          |                                     |    |      |   |
| Du-do       | 0                 | - 88               | —                      | —           | —     | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |                                     |    |      |   |
| Phu-nghia   | 0                 | - 55               | —                      | —           | —     | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |                                     |    |      |   |
| Yen-ly      | 26                | - 67               | 92                     | 15          | 2     | 2                        | 3             | 1             | 0              | 0              | 6     |                               |          |                    |                          |                                     |    |      |   |
| Thanh-son   | 50                | - 90               | 8                      | 15          | 4     | 1                        | 3             | 2             | 0              | 0              | 6     |                               |          |                    |                          |                                     |    |      |   |
| Van-phan    | 10                | - 114              | 60                     | 3           | 5     | 0                        | 5             | 0             | 0              | 0              | 5     |                               |          |                    |                          |                                     |    |      |   |
| Phu-dien    | 126               | - 118              | 53                     | 47          | 12    | 0                        | 0             | 6             | 0              | 0              | 6     | Littoral<br>Perte d'Annam     | 186      | - 146              | 16                       |                                     |    |      |   |
| Thuong-xa   | 117               | + 19               | 55                     | 41          | 13    | 3                        | 8             | 2             | 0              | 0              | 13    |                               |          |                    |                          |                                     |    |      |   |
| Ben-thuy    | 101               | - 271              | 70                     | 45          | 12    | 6                        | 3             | 3             | 0              | 0              | 12    |                               |          |                    |                          |                                     |    |      |   |
| Ho-do       | 275               | - 101              | 58                     | 85          | 13    | 6                        | 12            | 2             | 2              | 0              | 22    |                               |          |                    |                          |                                     |    |      |   |
| Can-loc     | 233               | - 168              | 78                     | 67          | 13    | 0                        | 7             | 7             | 1              | 0              | 15    |                               |          |                    |                          |                                     |    |      |   |
| Ha-tinh     | 128               | - 183              | —                      | —           | —     | —                        | —             | —             | —              | —              | 17    |                               |          |                    |                          |                                     |    |      |   |
| Gia-hoi     | 85                | - 173              | —                      | 38          | 12    | 5                        | 10            | 2             | 0              | 0              | 17    |                               |          |                    |                          |                                     |    |      |   |
| Tientri     | 489               | - 63               | 51                     | 221         | 12    | 3                        | 13            | 3             | 1              | 2              | 22    |                               |          |                    |                          |                                     |    |      |   |
| Thinh-thinh | 113               | - 225              | —                      | —           | —     | —                        | —             | —             | —              | —              | 16    |                               |          |                    |                          |                                     |    |      |   |
| Kego        | 197               | - 174              | 56                     | 52          | 12    | 3                        | 8             | 5             | 1              | 0              | 16    |                               |          |                    |                          | Littoral<br>Perte d'Annam<br>Tachia |    |      |   |
| Tu-dung     | 27                | - 133              | 33                     | 6           | 21    | 5                        | 10            | 0             | 0              | 0              | 15    |                               |          |                    |                          |                                     |    |      |   |
| Rao-buoi    | 354               | + 117              | 50                     | 108         | 12    | 0                        | 2             | 4             | 1              | 1              | 8     |                               |          |                    |                          |                                     |    |      |   |
| Ky-anh      | 296               | - 51               | 60                     | 90          | 13    | 3                        | 6             | 6             | 2              | 0              | 17    |                               |          |                    |                          |                                     |    |      |   |
| La-trong    |                   |                    |                        |             |       |                          |               |               |                |                |       |                               |          |                    |                          |                                     |    |      |   |
| Quang-khe   |                   |                    |                        |             |       |                          |               |               |                |                |       |                               |          |                    |                          |                                     |    |      |   |
| Dong-hoi    |                   |                    |                        |             |       |                          |               |               |                |                |       |                               |          |                    |                          |                                     |    |      |   |

# Résumé des Observations pluviométriques

Mois de Novembre 1938

| STATIONS         | Quantité de pluie |                    |                      |                     |      | Nombre de jours de pluie |           |           |            |            |       | Pluviosité moyenne par bassin                    |          |                    |                          |
|------------------|-------------------|--------------------|----------------------|---------------------|------|--------------------------|-----------|-----------|------------|------------|-------|--------------------------------------------------|----------|--------------------|--------------------------|
|                  | totale            | Ecart à la moyenne | R<br>Nuit<br>R Total | Max.<br>diurne      | date | R<br>1mm                 | R<br>10mm | R<br>50mm | R<br>100mm | R<br>100mm | total | Bassin                                           | Quantité | Ecart à la moyenne | Nombre de jours de pluie |
|                  |                   |                    |                      |                     |      |                          |           |           |            |            |       |                                                  |          |                    |                          |
| Lethuy           | 232               | - 78               | 64                   | 48                  | 12   | 0                        | 3         | 8         | 0          | 0          | 11    | Littoral<br>Porte d'Annam<br>Tientcha<br>(suite) | 442      | + 30               | 20                       |
| Cua-tung         | 432               | + 29               | 48                   | 64                  | 29   | 0                        | 2         | 10        | 3          | 0          | 15    |                                                  |          |                    |                          |
| Quang-tri        | 495               | - 71               | 51                   | 63                  | 26   | 1                        | 9         | 9         | 4          | 0          | 23    |                                                  |          |                    |                          |
| Kim-long         | 517               | + 17               | 63                   | 66                  | 11   | 0                        | 7         | 13        | 2          | 0          | 22    |                                                  |          |                    |                          |
| Hue              | 607               | - 54               | 56                   | 81                  | 13   | 3                        | 6         | 11        | 5          | 0          | 25    |                                                  |          |                    |                          |
| Thua-luu         | 1156              | + 429              | 60                   | 127                 | 13   | 0                        | 9         | 8         | 6          | 4          | 27    |                                                  |          |                    |                          |
| Tientcha         | 515               | + 106              | 42                   | 86                  | 15   | 2                        | 11        | 9         | 4          | 0          | 26    |                                                  |          |                    |                          |
| Tourane          | 235               | + 14               | 40                   | 45                  | 14   | 4                        | 14        | 8         | 0          | 0          | 26    |                                                  |          |                    |                          |
| Bana             |                   |                    |                      |                     |      |                          |           |           |            |            |       | Littoral<br>Tientcha - Song-Cau                  | 843      | +304               | 20                       |
| Qua-giang        | 433               | + 23               | 52                   | 73                  | 13   | 2                        | 11        | 8         | 3          | 0          | 24    |                                                  |          |                    |                          |
| Faifo            | 589               | + 148              | 68                   | 105                 | 13   | 1                        | 1         | 12        | 2          | 1          | 17    |                                                  |          |                    |                          |
| Hiep-hoa         | 816               | + 366              | 49                   | 159                 | 12   | 0                        | 8         | 2         | 7          | 2          | 19    |                                                  |          |                    |                          |
| Duc-phu          | 2697              | + 1752             | 53                   | 490                 | 13   | 0                        | 3         | 7         | 3          | 10         | 23    |                                                  |          |                    |                          |
| Son-tra          | 1056              | + 623              | 67                   | 250                 | 4    | 0                        | 5         | 8         | 2          | 4          | 19    |                                                  |          |                    |                          |
| Tra-my           | 1128              | + 526              | 71                   | 144                 | 30   | 0                        | 3         | 12        | 6          | 2          | 23    |                                                  |          |                    |                          |
| Phu-nhon         |                   |                    |                      |                     |      |                          |           |           |            |            |       |                                                  |          |                    |                          |
| Quang-ngai       | 608               | + 50               | 74                   | 151                 | 4    | 1                        | 6         | 5         | 3          | 2          | 17    |                                                  |          |                    |                          |
| Co-luy           | 776               | + 418              | 62                   | 182                 | 4    | 0                        | 8         | 5         | 4          | 2          | 19    |                                                  |          |                    |                          |
| Gi-lang          | 660               | + 14               | 100                  | 121                 | 5    | 1                        | 4         | 6         | 4          | 1          | 16    |                                                  |          |                    |                          |
| Ba-to            | 1411              | + 719              | 43                   | 515                 | 12   | 0                        | 5         | 9         | 3          | 3          | 20    |                                                  |          |                    |                          |
| Gia-vut          |                   |                    |                      |                     |      |                          |           |           |            |            |       |                                                  |          |                    |                          |
| Sa-huynh         | >624              | + 192              | 58                   | 184 <sup>(1)</sup>  | 13   | 1                        | 7         | 6         | 3          | 1          | 18    |                                                  |          |                    |                          |
| An-lao           | 751               | + 289              | 55                   | 143                 | 13   | 0                        | 5         | 12        | 3          | 2          | 22    |                                                  |          |                    |                          |
| Bong-son         | 565               | + 168              | 69                   | 181                 | 14   | 3                        | 12        | 6         | 1          | 2          | 24    |                                                  |          |                    |                          |
| Phu-my           | 433               | - 74               | 51                   | 81                  | 13   | 0                        | 1         | 9         | 3          | 0          | 13    |                                                  |          |                    |                          |
| Degi             | 429               | + 122              | 63                   | 78                  | 13   | 1                        | 5         | 4         | 4          | 0          | 14    |                                                  |          |                    |                          |
| Dinh-quang       | 542               | + 226              | 55                   | 158                 | 13   | 3                        | 12        | 8         | 0          | 2          | 25    |                                                  |          |                    |                          |
| Thuan-ninh       | 653               | + 133              | 56                   | 214                 | 4    | 5                        | 12        | 4         | 2          | 2          | 25    |                                                  |          |                    |                          |
| Cam-van          | 573               | + 95               | 58                   | 159                 | 13   | 0                        | 7         | 5         | 2          | 2          | 16    |                                                  |          |                    |                          |
| Phu-phong        | 525               | + 141              | 54                   | 107                 | 4    | 3                        | 6         | 8         | 3          | 1          | 21    |                                                  |          |                    |                          |
| Thu-thien        | 827               | + 152              | 68                   | 306                 | 13   | 1                        | 9         | 7         | 1          | 3          | 21    |                                                  |          |                    |                          |
| Rivière Verte    | 1102              | + 496              | 65                   | 210                 | 14   | 2                        | 6         | 7         | 2          | 5          | 22    |                                                  |          |                    |                          |
| Qui-nhon         | 525               | + 107              | 64                   | 137                 | 4    | 2                        | 9         | 6         | 1          | 2          | 20    |                                                  |          |                    |                          |
| Cu-mong          | 570               | + 229              | 41                   | 174                 | 13   | 0                        | 8         | 11        | 0          | 1          | 20    | Littoral Song-Cau - Banghoi                      | 480      | +140               | 16                       |
| Muc-thinh        | 616               | + 303              | 36                   | 280                 | 13   | 2                        | 5         | 6         | 0          | 2          | 15    |                                                  |          |                    |                          |
| Le-uyen          | 583               | + 237              | 51                   | 207                 | 13   | 0                        | 9         | 8         | 2          | 1          | 20    |                                                  |          |                    |                          |
| Song-cau         | 601               | + 176              | 44                   | 220                 | 13   | 2                        | 6         | 7         | 3          | 1          | 19    |                                                  |          |                    |                          |
| Dong-xuan        | 367               | + 35               | 46                   | 104                 | 14   | 0                        | 5         | 8         | 1          | 1          | 15    |                                                  |          |                    |                          |
| Xuan-day         | 309               | + 47               | 64                   | 66                  | 14   | 3                        | 8         | 7         | 2          | 0          | 20    |                                                  |          |                    |                          |
| Tu-bong          | 341               | + 91               | 75                   | 48                  | 14   | 0                        | 6         | 11        | 0          | 0          | 17    |                                                  |          |                    |                          |
| Honecohé         | 287               | + 66               | 57                   | 46                  | 14   | 0                        | 0         | 10        | 0          | 0          | 10    |                                                  |          |                    |                          |
| Lac-ninh         | 467               | + 165              | 59                   | 162                 | 14   | 0                        | 3         | 3         | 3          | 1          | 10    |                                                  |          |                    |                          |
| Phuoc-Lâm        |                   |                    |                      |                     |      |                          |           |           |            |            |       |                                                  |          |                    |                          |
| Ninh-hoa         | 733               | + 298              | 77                   | 227                 | 13   | 0                        | 0         | 5         | 2          | 2          | 9     |                                                  |          |                    |                          |
| Nha-trang        | >684              | + 290              | 77                   | >226 <sup>(1)</sup> | 14   | 6                        | 8         | 5         | 0          | 3          | 22    |                                                  |          |                    |                          |
| Cau-da           | 694               | + 177              | 87                   | 200                 | 14   | 1                        | 5         | 5         | 0          | 3          | 14    |                                                  |          |                    |                          |
| Suoi-giao        | 486               | - 115              | 75                   | 135                 | 4    | 0                        | 9         | 5         | 1          | 2          | 17    |                                                  |          |                    |                          |
| Bangoi           | 185               | - 42               | 84                   | 102                 | 4    | 1                        | 11        | 2         | 0          | 1          | 15    |                                                  |          |                    |                          |
| Ninh-chu         | 103               | - 1                | 9                    | 47                  | 26   | 0                        | 2         | 3         | 0          | 0          | 5     | Côtiér<br>Phanrang-Phanri                        | 69       | - 40               | 5                        |
| Phan-rang (S.C.) |                   |                    |                      |                     |      |                          |           |           |            |            |       |                                                  |          |                    |                          |
| Phan-rang (S.P.) | 104               | - 7                | 38                   | 35                  | 14   | 0                        | 4         | 3         | 0          | 0          | 7     |                                                  |          |                    |                          |
| Truong-sanh      | 82                | - 64               | 63                   | 45                  | 26   | 2                        | 4         | 2         | 0          | 0          | 8     |                                                  |          |                    |                          |
| Padaran          | 70                | - 73               | 96                   | 41                  | 26   | 1                        | 4         | 2         | 0          | 0          | 7     |                                                  |          |                    |                          |
| Cana             |                   |                    |                      |                     |      |                          |           |           |            |            |       |                                                  |          |                    |                          |
| Duong            | 30                | - 63               | 100                  | 30                  | 26   | 0                        | 0         | 1         | 0          | 0          | 1     | Phanri                                           |          |                    |                          |
| Phanri           | 24                | - 31               | 54                   | 24                  | 26   | 0                        | 0         | 1         | 0          | 0          | 1     |                                                  |          |                    |                          |

(1) Pluviomètre débordé.

## Résumé des Observations pluviométriques

Mois de Novembre 1938

| STATIONS           | Quantité de pluie |                    |                      |             |      | Nombre de jours de pluie |      |      |       |       |       | Pluviosité moyenne par bassin    |          |                    |                          |
|--------------------|-------------------|--------------------|----------------------|-------------|------|--------------------------|------|------|-------|-------|-------|----------------------------------|----------|--------------------|--------------------------|
|                    | totale            | Ecart à la moyenne | Ruit<br>R Total x100 | Max. diurne | date | 1mm                      | 10mm | 50mm | 100mm | 100mm | total | Bassin                           | Quantité | Ecart à la moyenne | Nombre de jours de pluie |
|                    |                   |                    |                      |             |      |                          |      |      |       |       |       |                                  |          |                    |                          |
|                    | mm                | mm                 |                      | mm          |      | R                        | R    | R    | R     | R     |       |                                  | mm       | mm                 |                          |
| Phan-thiêt         | 25                | - 16               | 100                  | 24          | 13   | 1                        | 0    | 1    | 0     | 0     | 2     | Littoral<br>Phanbiet-Cochinchine | 34       | - 29               | 4                        |
| Mui-ne             | 3                 | - 58               | 100                  | 3           | 26   | 0                        | 1    | 0    | 0     | 0     | 1     |                                  |          |                    |                          |
| Trinh-tuong        | 38                | - 6                | 100                  | 38          | 11   | 0                        | 0    | 1    | 0     | 0     | 1     |                                  |          |                    |                          |
| Courtenay          | 64                | - 7                | —                    | 12          | 29   | 3                        | 9    | 1    | 0     | 0     | 13    |                                  |          |                    |                          |
| Cu-bi              | 47                | - 5                | 21                   | 15          | 8    | 1                        | 7    | 2    | 0     | 0     | 10    |                                  |          |                    |                          |
| Xa-bang            | 3                 | - 87               | 33                   | 2           | 5    | 1                        | 1    | 0    | 0     | 0     | 2     |                                  |          |                    |                          |
| La-gi              | 24                | - 20               | 100                  | 12          | 25   | 0                        | 0    | 2    | 0     | 0     | 2     |                                  |          |                    |                          |
| Xuan-son           | 30                | - 63               | 37                   | 25          | 9    | 0                        | 2    | 1    | 0     | 0     | 3     |                                  |          |                    |                          |
| Binh-ba            | 65                | - 4                | 26                   | 35          | 8    | 0                        | 3    | 2    | 0     | 0     | 5     |                                  |          |                    |                          |
| La-son             | 82                | - 19               | 3                    | 35          | 3    | 0                        | 3    | 3    | 0     | 0     | 6     |                                  |          |                    |                          |
| Baria              | 38                | - 34               | 89                   | 26          | 8    | 0                        | 2    | 1    | 0     | 0     | 3     |                                  |          |                    |                          |
| Co-may             | 30                | - 19               | 66                   | 11          | 8    | 1                        | 1    | 2    | 0     | 0     | 4     |                                  |          |                    |                          |
| Phuoc-hai          | 0                 | - 28               | —                    | —           | —    | 0                        | 0    | 0    | 0     | 0     | 0     |                                  |          |                    |                          |
| Cap Saint-Jacques  | 33                | - 38               | 82                   | 11          | 29   | 1                        | 5    | 1    | 0     | 0     | 7     |                                  |          |                    |                          |
| Konplong           | 555               | +173               | 63                   | 173         | 13   | 1                        | 13   | 10   | 1     | 1     | 26    | Séan (Kontum)                    | 97       | + 15               | 8                        |
| Kontum             | 33                | - 27               | 48                   | 9           | 4    | 1                        | 6    | 0    | 0     | 0     | 7     |                                  |          |                    |                          |
| Dakdo              | 60                | + 11               | 0                    | 19          | 12   | 0                        | 1    | 3    | 0     | 0     | 4     |                                  |          |                    |                          |
| Pleiku (S.C.)      | 43                | - 9                | 35                   | 17          | 13   | 2                        | 3    | 2    | 0     | 0     | 7     |                                  |          |                    |                          |
| Pleiku (S.M.)      | 60                | + 14               | 93                   | 27          | 14   | 4                        | 3    | 2    | 0     | 0     | 9     |                                  |          |                    |                          |
| Graigelong         | 31                | - 11               | 58                   | 12          | 13   | 0                        | 4    | 1    | 0     | 0     | 5     |                                  |          |                    |                          |
| Jacquemart         | 48                | + 6                | 44                   | 19          | 13   | 0                        | 4    | 2    | 0     | 0     | 6     |                                  |          |                    |                          |
| Yacham             | 43                | - 18               | 79                   | 14          | 26   | 3                        | 4    | 2    | 0     | 0     | 9     |                                  |          |                    |                          |
| Allard             | 56                | + 12               | 54                   | 24          | 13   | 1                        | 3    | 2    | 0     | 0     | 6     |                                  |          |                    |                          |
| Yapuch             | 45                | - 5                | 44                   | 20          | 12   | 0                        | 3    | 2    | 0     | 0     | 5     |                                  |          |                    |                          |
| Yarinh             |                   |                    |                      |             |      |                          |      |      |       |       |       | Song Ba                          | 649      | + 257              | 18                       |
| Dakjoppau          | 330               | +144               | 80                   | 145         | 13   | 0                        | 8    | 6    | 0     | 1     | 15    |                                  |          |                    |                          |
| Cheo-reo           | 189               | + 93               | 100                  | 72          | 13   | 0                        | 1    | 2    | 2     | 0     | 5     |                                  |          |                    |                          |
| Tuy-hoa            | 645               | +204               | 57                   | 183         | 13   | 4                        | 10   | 5    | 2     | 2     | 23    |                                  |          |                    |                          |
| Phong-niên         | 813               | +276               | 48                   | 353         | 13   | 1                        | 12   | 5    | 2     | 2     | 22    |                                  |          |                    |                          |
| Thach-ban          | 1134              | +576               | 60                   | 333         | 14   | 3                        | 6    | 6    | 3     | 3     | 21    |                                  |          |                    |                          |
| Muong Drack        | 785               | +251               | 60                   | 156         | 13   | 0                        | 5    | 13   | 2     | 2     | 22    | Eakrong<br>(Darlac)              | 220      | + 95               | 11                       |
| Ea-yong            | 290               | +131               | —                    | 83          | 12   | 1                        | 9    | 3    | 3     | 0     | 16    |                                  |          |                    |                          |
| Ea-noet            | 336               | +156               | —                    | 97          | 12   | 0                        | 10   | 3    | 3     | 0     | 16    |                                  |          |                    |                          |
| Bannethuot (S.C.)  | 196               | +109               | 87                   | 107         | 13   | 2                        | 2    | 1    | 1     | 1     | 7     |                                  |          |                    |                          |
| Bannethuot (S.P.)  | 180               | + 78               | 59                   | 97          | 13   | 0                        | 5    | 0    | 2     | 0     | 7     |                                  |          |                    |                          |
| Buonjengdrom       | 125               | + 51               | 36                   | 52          | 13   | 1                        | 6    | 1    | 1     | 0     | 9     |                                  |          |                    |                          |
| Le Rolland         | 193               | + 45               | 36                   | 88          | 13   | 3                        | 5    | 3    | 1     | 0     | 12    | Haut Donnai                      | 148      | + 36               | 12                       |
| Poste Maître       | 105               | + 31               | 54                   | 45          | 13   | 0                        | 2    | 3    | 0     | 0     | 5     |                                  |          |                    |                          |
| Dankia             |                   |                    |                      |             |      |                          |      |      |       |       |       |                                  |          |                    |                          |
| Dalat              | 78                | - 23               | 60                   | 28          | 26   | 0                        | 7    | 2    | 0     | 0     | 9     |                                  |          |                    |                          |
| Petit Lang-bian    | 131               | - 23               | 77                   | 48          | 26   | 3                        | 8    | 2    | 0     | 0     | 13    |                                  |          |                    |                          |
| Arbre broyé        | 95                | - 35               | 42                   | 21          | 25   | 1                        | 5    | 4    | 0     | 0     | 10    |                                  |          |                    |                          |
| Diom               | 135               | - 27               | 54                   | 30          | 26   | 2                        | 4    | 6    | 0     | 0     | 12    |                                  |          |                    |                          |
| Lang-hanh          | 123               | + 39               | 53                   | 41          | 26   | 0                        | 4    | 7    | 0     | 0     | 11    |                                  |          |                    |                          |
| Dongdor            | 150               | + 82               | 8                    | 42          | 29   | 0                        | 3    | 5    | 0     | 0     | 8     | Bas Donnai                       |          |                    |                          |
| Djiring            | 207               | +116               | 32                   | 40          | 26   | 1                        | 7    | 6    | 0     | 0     | 14    |                                  |          |                    |                          |
| Bobla              | 195               | + 94               | 30                   | 27          | 25   | 0                        | 5    | 9    | 0     | 0     | 14    |                                  |          |                    |                          |
| Djiramour          | 110               | + 18               | 24                   | 37          | 26   | 0                        | 10   | 3    | 0     | 0     | 13    |                                  |          |                    |                          |
| Biao (Daklongpool) | 225               | + 64               | 28                   | 46          | 5    | 1                        | 6    | 7    | 0     | 0     | 14    |                                  |          |                    |                          |
| Buprang            | 124               | + 25               | 22                   | 67          | 13   | 0                        | 1    | 2    | 1     | 0     | 4     |                                  |          |                    |                          |
| Djamap             | 108               | + 6                | 14                   | 42          | 13   | 0                        | 3    | 3    | 0     | 0     | 6     |                                  |          |                    |                          |
| Budop (S.P.L.)     | 151               | + 63               | 81                   | 40          | 13   | 1                        | 4    | 5    | 0     | 0     | 10    |                                  |          |                    |                          |
| Budop (S.P.Ad.)    | 111               | + 9                | 70                   | 62          | 14   | 0                        | 5    | 1    | 1     | 0     | 7     |                                  |          |                    |                          |
| Buyamphut          | 82                | - 13               | 55                   | 20          | 11   | 3                        | 6    | 3    | 0     | 0     | 12    |                                  |          |                    |                          |
| Dakkir             | 137               | + 54               | 70                   | 49          | 11   | 2                        | 7    | 3    | 0     | 0     | 12    |                                  |          |                    |                          |
| Boulat             | 190               | + 80               | 100                  | 60          | 4    | 0                        | 3    | 5    | 1     | 0     | 9     |                                  |          |                    |                          |

## Résumé des Observations pluviométriques

Mois de Novembre 1938

| STATIONS                       | Quantité de pluie |                    |                        |             |      | Nombre de jours de pluie |          |          |           |           |       | Pluviosité moyenne par bassin |          |                    |                          |
|--------------------------------|-------------------|--------------------|------------------------|-------------|------|--------------------------|----------|----------|-----------|-----------|-------|-------------------------------|----------|--------------------|--------------------------|
|                                | totale            | Ecart à la moyenne | R Nuit<br>R Total x100 | Max. diurne | date | R ≤ 1mm                  | R ≤ 10mm | R ≤ 50mm | R ≤ 100mm | R ≥ 100mm | total | Bassin                        | Quantité | Ecart à la moyenne | Nombre de jours de pluie |
|                                | mm                | mm                 |                        | mm          |      | R ≤                      | R ≤      | R ≤      | R ≤       | R ≥       |       |                               | mm       | mm                 |                          |
| Nui Bara                       | 147               | + 42               | 70                     | 39          | 14   | 2                        | 6        | 5        | 0         | 0         | 13    | Bas Donnai (suite)            | 110      | + 8                | 8                        |
| Phu-rieng                      | 241               | +112               | 66                     | 71          | 3    | 0                        | 6        | 4        | 2         | 0         | 12    |                               |          |                    |                          |
| Hon-quan                       | 160               | + 63               | 5                      | 51          | 4    | 0                        | 1        | 4        | 1         | 0         | 6     |                               |          |                    |                          |
| Bunard                         |                   |                    |                        |             |      |                          |          |          |           |           |       |                               |          |                    |                          |
| Quan-loi                       | 169               | + 64               | 45                     | 47          | 13   | 0                        | 2        | 6        | 0         | 0         | 8     |                               |          |                    |                          |
| Xa-cat                         | 128               | + 33               | 61                     | 38          | 14   | 2                        | 3        | 5        | 0         | 0         | 10    |                               |          |                    |                          |
| Thuan-loi                      | 183               | + 74               | 81                     | 48          | 5    | 0                        | 6        | 6        | 0         | 0         | 12    |                               |          |                    |                          |
| Chon-thanh                     | 113               | + 39               | 58                     | 38          | 14   | 0                        | 6        | 4        | 0         | 0         | 10    |                               |          |                    |                          |
| Bong-trang                     | 160               | + 12               | 0                      | 61          | 14   | 1                        | 6        | 5        | 1         | 0         | 13    |                               |          |                    |                          |
| Tan-loi                        | 16                | - 66               | 25                     | 9           | 5    | 0                        | 3        | 0        | 0         | 0         | 3     |                               |          |                    |                          |
| Ben-nom                        | 53                | - 37               | 34                     | 20          | 4    | 4                        | 7        | 2        | 0         | 0         | 13    |                               |          |                    |                          |
| Binh-loc                       | 73                | - 27               | 45                     | 17          | 28   | 2                        | 6        | 4        | 0         | 0         | 12    |                               |          |                    |                          |
| An-vieng                       | 141               | + 26               | 2                      | 32          | 28   | 0                        | 3        | 5        | 0         | 0         | 8     |                               |          |                    |                          |
| Xuan-loc                       | 99                | + 31               | 66                     | 54          | 4    | 0                        | 0        | 2        | 1         | 0         | 3     |                               |          |                    |                          |
| Bien-hoa                       | 24                | - 61               | 29                     | 10          | 28   | 0                        | 4        | 0        | 0         | 0         | 4     |                               |          |                    |                          |
| Gia-ray                        | 42                | + 11               | 59                     | 24          | 13   | 0                        | 2        | 2        | 0         | 0         | 4     | Rivière de Saigon             | 129      | + 27               | 9                        |
| Trang-bom (S.C.)               | 138               | + 34               | 91                     | 37          | 4,16 | 0                        | 1        | 3        | 4         | 0         | 8     |                               |          |                    |                          |
| Trang-bom(S.P.L.)              | 108               | + 1                | 59                     | 36          | 4    | 0                        | 2        | 4        | 0         | 0         | 6     |                               |          |                    |                          |
| Bau-ca                         |                   |                    |                        |             |      |                          |          |          |           |           |       |                               |          |                    |                          |
| Dau-giay                       | 53                | - 64               | 40                     | 19          | 29   | 2                        | 4        | 2        | 0         | 0         | 8     |                               |          |                    |                          |
| An-loc                         | 17                | - 96               | 100                    | 10          | 1    | 0                        | 2        | 0        | 0         | 0         | 2     |                               |          |                    |                          |
| Tuc-trung                      | 164               | -163               | 54                     | 57          | 12   | 0                        | 2        | 4        | 1         | 0         | 7     |                               |          |                    |                          |
| Son-ray                        | 89                | + 47               | 0                      | 63          | 13   | 2                        | 0        | 2        | 1         | 0         | 5     |                               |          |                    |                          |
| Cam-tiem                       | 48                | - 35               | 43                     | 15          | 28   | 5                        | 4        | 2        | 0         | 0         | 11    |                               |          |                    |                          |
| Long-thanh (B.I.)              | 82                | - 5                | 40                     | 16          | 29   | 1                        | 7        | 2        | 0         | 0         | 10    |                               |          |                    |                          |
| Long-thanh(T.R.)               | 69                | - 19               | 32                     | 16          | 4    | 0                        | 2        | 4        | 0         | 0         | 6     |                               |          |                    |                          |
| Loc-ninh (6 <sup>e</sup> div.) | 82                | 0                  | 51                     | 25          | 13   | 1                        | 7        | 2        | 0         | 0         | 10    | deux Valtos                   | 158      | + 30               | 8                        |
| Loc-ninh (2 <sup>e</sup> div.) | 107               | + 9                | 60                     | 24          | 13   | 0                        | 9        | 4        | 0         | 0         | 13    |                               |          |                    |                          |
| Xa-cam                         | 256               | +186               | 43                     | 107         | 4    | 0                        | 6        | 5        | 0         | 1         | 12    |                               |          |                    |                          |
| Xa-trach                       | 204               | +130               | 49                     | 70          | 5    | 1                        | 5        | 2        | 2         | 0         | 10    |                               |          |                    |                          |
| Minh-thanh                     | 242               | +127               | 84                     | 78          | 12   | 0                        | 9        | 1        | 2         | 0         | 12    |                               |          |                    |                          |
| Dau-tieng                      | 147               | + 39               | 62                     | 61          | 14   | 0                        | 3        | 3        | 1         | 0         | 7     |                               |          |                    |                          |
| Ben-cui                        | 160               | + 56               | 62                     | 75          | 14   | 3                        | 6        | 3        | 1         | 0         | 13    |                               |          |                    |                          |
| Bencat                         | 132               | - 23               | 54                     | 62          | 14   | 0                        | 4        | 3        | 1         | 0         | 8     |                               |          |                    |                          |
| Vinh-cu                        | 6                 | - 65               | 100                    | 6           | 11   | 0                        | 1        | 0        | 0         | 0         | 1     |                               |          |                    |                          |
| Thu-dau-mot                    | 98                | - 13               | 52                     | 62          | 5    | 1                        | 4        | 1        | 1         | 0         | 7     |                               |          |                    |                          |
| Gia-dinh                       | 39                | - 67               | 100                    | 29          | 5    | 0                        | 0        | 2        | 0         | 0         | 2     |                               |          |                    |                          |
| Phu-my                         | 133               | + 13               | 18                     | 34          | 16   | 2                        | 5        | 5        | 0         | 0         | 12    |                               |          |                    |                          |
| Saigon                         | 121               | + 6                | 38                     | 31          | 5    | 7                        | 5        | 5        | 0         | 0         | 17    |                               |          |                    |                          |
| Cho-lon                        | 81                | - 21               | 64                     | 20          | 9    | 0                        | 6        | 4        | 0         | 0         | 10    |                               |          |                    |                          |
| Logo                           | 88                | + 3                | 100                    | 31          | 11   | 0                        | 4        | 3        | 0         | 0         | 7     | Delta Mekong                  |          |                    |                          |
| Kompongtrach                   | 281               | +189               | 0                      | 134         | 14   | 0                        | 4        | 3        | 0         | 1         | 8     |                               |          |                    |                          |
| Péammétre                      | 177               | - 3                | 52                     | 84          | 14   | 4                        | 4        | 3        | 1         | 0         | 12    |                               |          |                    |                          |
| Xom-vinh                       | 204               | + 88               | 97                     | 98          | 15   | 0                        | 1        | 2        | 2         | 0         | 5     |                               |          |                    |                          |
| Tay-ninh                       | 249               | +133               | 60                     | 52          | 8    | 0                        | 2        | 8        | 1         | 0         | 11    |                               |          |                    |                          |
| Benkeo                         | 146               | + 35               | 62                     | 50          | 14   | 0                        | 5        | 5        | 0         | 0         | 10    |                               |          |                    |                          |
| Hiep-thanh                     | 101               | - 26               | —                      | 47          | 13   | 1                        | 4        | 3        | 0         | 0         | 8     |                               |          |                    |                          |
| Kouktrap                       | 251               | +127               | 98                     | 160         | 15   | 1                        | 2        | 4        | 0         | 1         | 8     |                               |          |                    |                          |
| Soairieng                      | 219               | + 39               | 100                    | 115         | 15   | 3                        | 2        | 2        | 1         | 1         | 9     |                               |          |                    |                          |
| Chipou                         |                   |                    |                        |             |      |                          |          |          |           |           |       |                               |          |                    |                          |
| Soc-noc                        | 64                | - 68               | 100                    | 26          | 6    | 0                        | 2        | 3        | 0         | 0         | 5     |                               |          |                    |                          |
| Hiep-hoa                       | 66                | - 97               | 66                     | 21          | 30   | 1                        | 2        | 3        | 0         | 0         | 6     |                               |          |                    |                          |
| Thu-thua                       | 102               | - 16               | 67                     | 53          | 30   | 1                        | 3        | 2        | 1         | 0         | 7     |                               |          |                    |                          |
| Tan-an                         | 117               | - 4                | 99                     | 82          | 30   | 2                        | 4        | 2        | 1         | 0         | 9     |                               |          |                    |                          |
| Tân-chau                       | 53                | -114               | 98                     | 26          | 14   | 0                        | 3        | 2        | 0         | 0         | 5     |                               |          |                    |                          |
| Chau-doc                       | 165               | + 24               | 90                     | 47          | 10   | 0                        | 2        | 5        | 0         | 0         | 7     |                               |          |                    |                          |
| Cho-moi                        | 98                | -168               | 93                     | 54          | 15   | 0                        | 7        | 1        | 1         | 0         | 9     |                               |          |                    |                          |
| Thap-muoi                      | 232               | + 53               | 93                     | 89          | 15   | 1                        | 6        | 4        | 1         | 0         | 12    |                               |          |                    |                          |

## Résumé des Observations pluviométriques

Mois de Novembre 1938

| STATIONS         | Quantité de pluie |                    |                                |             |        | Nombre de jours de pluie |               |               |                |                |       | Pluviosité moyenne par bassin |          |                    |                          |
|------------------|-------------------|--------------------|--------------------------------|-------------|--------|--------------------------|---------------|---------------|----------------|----------------|-------|-------------------------------|----------|--------------------|--------------------------|
|                  | totale            | Ecart à la moyenne | R Nuit<br>R Total $\times 100$ | Max. diurne | date   | R $\leq$ 1mm             | R $\leq$ 10mm | R $\leq$ 50mm | R $\leq$ 100mm | R $\geq$ 100mm | total | Bassin                        | Quantité | Ecart à la moyenne | Nombre de jours de pluie |
|                  | mm                | mm                 |                                | mm          |        |                          |               |               |                |                |       |                               | mm       | mm                 |                          |
| Cao-lanh         | 180               | + 15               | .94                            | 74          | 9      | 0                        | 7             | 2             | 2              | 0              | 11    | Delta du Mekong (suite)       | 131      | — 7                | 9                        |
| Tri-ton          | 6                 | — 132              | 0                              | 5           | 9      | 0                        | 2             | 0             | 0              | 0              | 2     |                               |          |                    |                          |
| Long-xuyen       | 174               | + 36               | 74                             | 48          | 14     | 1                        | 3             | 6             | 0              | 0              | 10    |                               |          |                    |                          |
| My-tho           | 68                | — 40               | 100                            | 18          | 7      | 0                        | 5             | 3             | 0              | 0              | 8     |                               |          |                    |                          |
| Gocong (S.P.Ad.) | 132               | + 50               | 100                            | 67          | 13     | 0                        | 0             | 2             | 1              | 0              | 3     |                               |          |                    |                          |
| Gocong (O.I.R.)  |                   |                    |                                |             |        |                          |               |               |                |                |       |                               |          |                    |                          |
| Kim-son          | 71                | — 46               | 100                            | 24          | 16     | 3                        | 5             | 2             | 0              | 0              | 10    |                               |          |                    |                          |
| Sadec            | 160               | + 19               | 71                             | 49          | 15     | 2                        | 6             | 6             | 0              | 0              | 14    |                               |          |                    |                          |
| Vinh-long        | 163               | — 4                | 86                             | 45          | 15     | 2                        | 7             | 4             | 0              | 0              | 13    |                               |          |                    |                          |
| Ben-tre          | 71                | — 87               | 18                             | 14          | 9      | 0                        | 5             | 3             | 0              | 0              | 8     |                               |          |                    |                          |
| Mo-cay           | 56                | + 6                | 62                             | 13          | 13     | 0                        | 7             | 2             | 0              | 0              | 9     |                               |          |                    |                          |
| O-mon            |                   |                    |                                |             |        |                          |               |               |                |                |       |                               |          |                    |                          |
| Batri            | 256               | + 139              | 73                             | 136         | 10     | 0                        | 6             | 2             | 1              | 1              | 10    |                               |          |                    |                          |
| Can-tho (S.M.)   | 97                | — 64               | 66                             | 29          | 30     | 3                        | 9             | 2             | 0              | 0              | 14    |                               |          |                    |                          |
| Can-tho (O.I.R.) | 64                | — 58               | 62                             | 20          | 15     | 1                        | 8             | 1             | 0              | 0              | 10    |                               |          |                    |                          |
| Tra-vinh         | 127               | — 18               | 91                             | 35          | 5      | 0                        | 3             | 6             | 0              | 0              | 9     |                               |          |                    |                          |
| Rach-goi         | 170               | + 23               | 39                             | 90          | 15     | 0                        | 5             | 4             | 1              | 0              | 10    | Région Camau                  | 192      | + 32               | 1                        |
| Da-loc           | 141               | + 42               | 40                             | 25          | 9      | 0                        | 7             | 6             | 0              | 0              | 13    |                               |          |                    |                          |
| Soc-trang        | 196               | + 34               | 65                             | 97          | 5      | 1                        | 3             | 4             | 1              | 0              | 9     |                               |          |                    |                          |
| Bai-xau          | 221               | + 39               | 58                             | 104         | 5      | 2                        | 3             | 3             | 1              | 1              | 10    |                               |          |                    |                          |
| Go-quao          | 221               | + 59               | 57                             | 169         | 15     | 1                        | 6             | 1             | 0              | 1              | 9     |                               |          |                    |                          |
| Long-my          | 153               | + 42               | 20                             | 33          | 15     | 0                        | 8             | 5             | 0              | 0              | 13    |                               |          |                    |                          |
| Phuoc-Long       |                   |                    |                                |             |        |                          |               |               |                |                |       |                               |          |                    |                          |
| Thoi-binh        | 99                | — 23               | 12                             | 16          | 15     | 0                        | 7             | 4             | 0              | 0              | 11    |                               |          |                    |                          |
| Tan-phu          | 114               | — 50               | 22                             | 32          | 15     | 0                        | 3             | 5             | 0              | 0              | 8     |                               |          |                    |                          |
| Bac-lieu         | 307               | + 159              | 50                             | 168         | 15     | 0                        | 4             | 5             | 0              | 1              | 10    |                               |          |                    |                          |
| Ca-mau           | 131               | — 32               | 16                             | 31          | 5      | 3                        | 8             | 5             | 0              | 0              | 16    |                               |          |                    |                          |
| Nam-can          | 262               | + 27               | 18                             | 32          | 18     | 0                        | 5             | 10            | 0              | 0              | 15    |                               |          |                    |                          |
| Poulo-Obi        | 248               | + 71               | 63                             | 56          | 18     | 5                        | 6             | 5             | 1              | 0              | 17    |                               |          |                    |                          |
| Poulo-Condore    | 240               | — 43               | 71                             | 75          | 17     | 3                        | 7             | 4             | 1              | 0              | 15    | Côte Cambodge-Cochinchine     | 117      | — 10               | 7                        |
| Chumnéap         | 167               | + 75               | 45                             | 59          | 18     | 0                        | 2             | 4             | 1              | 0              | 7     |                               |          |                    |                          |
| Snam-crabeu      | 60                | — 15               | 6                              | 29          | 12     | 1                        | 2             | 2             | 0              | 0              | 5     |                               |          |                    |                          |
| Hot-Cone         | 86                | + 51               | 87                             | 51          | 13     | 1                        | 4             | 1             | 1              | 0              | 7     |                               |          |                    |                          |
| Chiphatt         | 144               | + 59               | 34                             | 61          | 12     | 0                        | 1             | 3             | 1              | 0              | 5     |                               |          |                    |                          |
| Sréum-bell       | 86                | + 36               | 0                              | 49          | 5      | 0                        | 1             | 3             | 0              | 0              | 4     |                               |          |                    |                          |
| Chéko            | 22                | — 18               | 100                            | 12          | 2      | 0                        | 0             | 2             | 0              | 0              | 2     |                               |          |                    |                          |
| Val d'Emeraude   | 250               | + 28               | 38                             | 55          | 5      | 1                        | 3             | 7             | 1              | 0              | 12    |                               |          |                    |                          |
| Kampot           | 142               | — 9                | 52                             | 38          | 5      | 0                        | 1             | 5             | 0              | 0              | 6     |                               |          |                    |                          |
| Preynop          | 131               | + 40               | 67                             | 25          | 2      | 0                        | 5             | 6             | 0              | 0              | 11    |                               |          |                    |                          |
| Bockor           | 190               | + 38               | 34                             | 49          | 11     | 0                        | 0             | 6             | 0              | 0              | 6     |                               |          |                    |                          |
| Kompong-trach    | 135               | — 32               | 34                             | 49          | 14     | 0                        | 2             | 5             | 0              | 0              | 7     |                               |          |                    |                          |
| Kep              | 91                | — 20               | 47                             | 37          | 5      | 0                        | 5             | 3             | 0              | 0              | 8     |                               |          |                    |                          |
| Réam             | 80                | — 21               | 76                             | 18          | 5      | 0                        | 5             | 4             | 0              | 0              | 9     |                               |          |                    |                          |
| Ha-tien          | 82                | — 47               | 58                             | 44          | 15     | 2                        | 4             | 3             | 0              | 0              | 9     | Tonlé Sap et des Grands Lacs  |          |                    |                          |
| Nui-trau         | 105               | — 23               | 47                             | 40          | 15     | 1                        | 4             | 3             | 0              | 0              | 8     |                               |          |                    |                          |
| Duong-dong       | 179               | + 22               | 75                             | 96          | 5      | 0                        | 4             | 3             | 1              | 0              | 8     |                               |          |                    |                          |
| Hon-chong        | 201               | + 23               | 100                            | 37          | 12, 14 | 0                        | 0             | 7             | 0              | 0              | 7     |                               |          |                    |                          |
| Soc-xoay         | 55                | — 87               | 87                             | 24          | 3      | 3                        | 4             | 2             | 0              | 0              | 9     |                               |          |                    |                          |
| Cay-cay          | 100               | — 85               | 35                             | 23          | 6      | 1                        | 4             | 4             | 0              | 0              | 9     |                               |          |                    |                          |
| Cay-dua          | 88                | — 129              | 29                             | 22          | 6      | 1                        | 4             | 4             | 0              | 0              | 9     |                               |          |                    |                          |
| Rach-gia         | 63                | — 93               | 55                             | 22          | 3      | 1                        | 6             | 2             | 0              | 0              | 9     |                               |          |                    |                          |
| Chéomksan        | 0                 | — 40               | —                              | —           | —      | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |
| Sam-rong         | 0                 | — 26               | —                              | —           | —      | 0                        | 0             | 0             | 0              | 0              | 0     |                               |          |                    |                          |
| Svai-chek        | 35                | + 1                | 0                              | 24          | 7      | 0                        | 2             | 1             | 0              | 0              | 3     |                               |          |                    |                          |
| Phnom-srok       | 21                | — 30               | 100                            | 18          | 5      | 0                        | 1             | 1             | 0              | 0              | 2     |                               |          |                    |                          |
| Sisophon         |                   |                    |                                |             |        |                          |               |               |                |                |       |                               |          |                    |                          |
| Mongkolborey     | 27                | — 13               | 100                            | 20          | 4      | 0                        | 1             | 1             | 0              | 0              | 2     |                               |          |                    |                          |

## Résumé des Observations pluviométriques

Mois de Novembre 1938

| STATIONS          | Quantité de pluie |                    |                   |             |       | Nombre de jours de pluie |             |             |              |              |       | Pluviosité moyenne par bassin  |          |                    |                          |
|-------------------|-------------------|--------------------|-------------------|-------------|-------|--------------------------|-------------|-------------|--------------|--------------|-------|--------------------------------|----------|--------------------|--------------------------|
|                   | totale            | Écart à la moyenne | R Nuit<br>R Total | Max. diurne | date  | 1mm<br>R ≤               | 10mm<br>R ≤ | 50mm<br>R ≤ | 100mm<br>R ≤ | 100mm<br>R > | total | Bassin                         | Quantité | Écart à la moyenne | Nombre de jours de pluie |
|                   |                   |                    |                   |             |       |                          |             |             |              |              |       |                                |          |                    |                          |
| Kralanh           | 6                 | - 30               | 33                | 5           | 3     | 0                        | 2           | 0           | 0            | 0            | 2     | Tonléap et Grands Lacs (suite) | mm       | mm                 |                          |
| Barai d'Angkor    | 36                | - 10               | 72                | 17          | 5     | 1                        | 1           | 2           | 2            | 0            | 4     |                                |          |                    |                          |
| Toul-sam-rong     | 67                | + 10               | 85                | 35          | 5     | 0                        | 1           | 2           | 0            | 0            | 3     |                                |          |                    |                          |
| Siem-réap         | 29                | - 55               | 55                | 16          | 4     | 0                        | 0           | 2           | 0            | 0            | 2     |                                |          |                    |                          |
| Bacpréa           | 22                | - 20               | 86                | 9           | 3     | 0                        | 4           | 0           | 0            | 0            | 4     |                                |          |                    |                          |
| Battambang(Gare)  | 73                | + 10               | 0                 | 60          | 4     | 0                        | 0           | 1           | 1            | 0            | 2     |                                |          |                    |                          |
| Battambang (O.R.) | 116               | + 22               | 93                | 70          | 5     | 0                        | 3           | 2           | 1            | 0            | 6     |                                |          |                    |                          |
| Battambang (S.M.) | 102               | + 24               | 81                | 62          | 5     | 1                        | 4           | 1           | 1            | 0            | 7     |                                |          |                    |                          |
| Kompong-kléang    | 41                | - 22               | 12                | 30          | 11    | 0                        | 3           | 1           | 0            | 0            | 4     |                                |          |                    |                          |
| Staung            | 0                 | - 51               | —                 | —           | —     | 0                        | 0           | 0           | 0            | 0            | 0     |                                |          |                    |                          |
| Réang-kései       | 134               | + 39               | 64                | 66          | 5     | 1                        | 1           | 3           | 1            | 0            | 6     |                                |          |                    |                          |
| Pailin            | 51                | - 42               | 43                | 45          | 5     | 0                        | 1           | 1           | 0            | 0            | 2     |                                |          |                    |                          |
| Muong Russey      |                   |                    |                   |             |       |                          |             |             |              |              |       |                                |          |                    |                          |
| Kompong thom      | 47                | - 18               | 55                | 20          | 11    | 4                        | 3           | 2           | 0            | 0            | 9     |                                |          |                    |                          |
| Pursat (Gare)     | 164               | + 38               | 17                | 137         | 4     | 0                        | 1           | 1           | 0            | 1            | 3     |                                |          |                    |                          |
| Pursat (S.M.)     | 193               | + 78               | 86                | 146         | 5     | 1                        | 6           | 2           | 0            | 1            | 10    |                                |          |                    |                          |
| Krakor            |                   |                    |                   |             |       |                          |             |             |              |              |       |                                |          |                    |                          |
| Ponley            | 0                 | - 40               | —                 | —           | —     | 0                        | 0           | 0           | 0            | 0            | 9     |                                |          |                    |                          |
| Barai             | 26                | - 23               | 0                 | 26          | 11    | 0                        | 0           | 1           | 0            | 0            | 1     |                                |          |                    |                          |
| Speu              | 63                | + 25               | 20                | 13          | 2     | 0                        | 7           | 2           | 0            | 0            | 9     |                                |          |                    |                          |
| Chamcar Andong    | 125               | - 7                | 4                 | 55          | 11    | 0                        | 3           | 2           | 1            | 0            | 6     |                                |          |                    |                          |
| Bamnak            | 10                | - 53               | 0                 | 5           | 12,29 | 0                        | 2           | 0           | 0            | 0            | 2     |                                |          |                    |                          |
| Kompongbang       | 96                | + 2                | 95                | 65          | 12    | 0                        | 3           | 1           | 1            | 0            | 5     |                                |          |                    |                          |
| Kompongchhnang    | 105               | + 2                | 90                | 51          | 12    | 0                        | 3           | 2           | 1            | 0            | 6     |                                |          |                    |                          |
| Sdokachroméas     | 66                | + 17               | 95                | 33          | 5     | 0                        | 2           | 2           | 0            | 0            | 4     |                                |          |                    |                          |
| Tangphloch        | 50                | - 23               | 12                | 19          | 5     | 0                        | 5           | 1           | 0            | 0            | 6     |                                |          |                    |                          |
| Kompongtralach    | 41                | - 55               | 97                | 16          | 15    | 1                        | 3           | 2           | 0            | 0            | 6     |                                |          |                    |                          |
| Tbengkpos         | 241               | + 120              | 39                | 47          | 14    | 0                        | 1           | 8           | 0            | 0            | 9     |                                |          |                    |                          |
| Rocakong          | 89                | + 2                | 85                | 42          | 15    | 0                        | 1           | 3           | 0            | 0            | 4     | Haut Delta du Mékong           | mm       | mm                 |                          |
| Snaipol           | 172               | + 65               | 95                | 71          | 15    | 0                        | 1           | 1           | 2            | 0            | 4     |                                |          |                    |                          |
| Phnompenh         | 133               | + 6                | 93                | 80          | 15    | 1                        | 4           | 2           | 1            | 0            | 8     |                                |          |                    |                          |
| Tukkléang         | 94                | - 26               | 83                | 61          | 14    | 0                        | 1           | 2           | 1            | 0            | 4     |                                |          |                    |                          |
| Preyveng          | 252               | + 126              | 69                | 141         | 15    | 1                        | 1           | 3           | 1            | 1            | 7     |                                |          |                    |                          |
| Kompong-speu      | 101               | - 14               | 100               | 77          | 15    | 2                        | 1           | 1           | 1            | 0            | 5     |                                |          |                    |                          |
| Kompongkantuot    | 17                | - 52               | 24                | 12          | 14    | 0                        | 2           | 1           | 0            | 0            | 3     |                                |          |                    |                          |
| Banam             | 230               | + 102              | 97                | 156         | 15    | 1                        | 3           | 3           | 0            | 1            | 8     |                                |          |                    |                          |
| Chambak           | 85                | - 26               | 0                 | 57          | 14    | 0                        | 1           | 1           | 1            | 0            | 3     |                                |          |                    |                          |
| Kasthom           | 70                | - 54               | 0                 | 54          | 14    | 0                        | 3           | 0           | 1            | 0            | 4     |                                |          |                    |                          |
| Kompongtrabec     | 89                | - 35               | 0                 | 44          | 14    | 0                        | 9           | 1           | 0            | 0            | 10    |                                |          |                    |                          |
| Loeudek           | 13                | - 38               | 69                | 8           | 28    | 0                        | 2           | 0           | 0            | 0            | 2     |                                |          |                    |                          |
| Chhuk             | 118               | + 17               | 63                | 77          | 14    | 0                        | 2           | 2           | 1            | 0            | 5     |                                |          |                    |                          |
| Angtassom         | 168               | + 49               | 94                | 84          | 15    | 0                        | 2           | 1           | 2            | 0            | 5     |                                |          |                    |                          |
| Takeo             | 129               | - 25               | 87                | 96          | 15    | 0                        | 1           | 2           | 1            | 0            | 4     |                                |          |                    |                          |
| Benghi            | 138               | - 5                | 75                | 65          | 9     | 0                        | 5           | 2           | 1            | 0            | 8     |                                |          |                    |                          |
| Tramkok           | 96                | - 50               | 76                | 61          | 28    | 0                        | 3           | 1           | 1            | 0            | 5     |                                |          |                    |                          |
| Kasko             | 40                | - 113              | 7                 | 24          | 15    | 1                        | 6           | 1           | 0            | 0            | 8     |                                |          |                    |                          |
| Tani              | 91                | - 25               | 5                 | 40          | 14    | 0                        | 3           | 2           | 0            | 0            | 5     |                                |          |                    |                          |
| Chrospock         | 102               | - 9                | 69                | 68          | 15    | 0                        | 4           | 1           | 1            | 0            | 6     |                                |          |                    |                          |
| Sréchéa           |                   |                    |                   |             |       |                          |             |             |              |              |       |                                |          |                    |                          |
| Kirivong          | 85                | - 77               | 100               | 57          | 15    | 0                        | 4           | 1           | 1            | 0            | 6     |                                |          |                    |                          |
| Stungtreng        | 49                | - 3                | 95                | 22          | 16    | 1                        | 2           | 2           | 0            | 0            | 5     | Mékong inférieur               | mm       | mm                 |                          |
| Sambor            | 20                | - 25               | 45                | 10          | 13    | 1                        | 3           | 0           | 0            | 0            | 4     |                                |          |                    |                          |
| Kratié            | 28                | - 47               | 42                | 7           | 13    | 2                        | 7           | 0           | 0            | 0            | 9     |                                |          |                    |                          |
| Prekkak           | 26                | - 22               | 65                | 9           | 15    | 1                        | 6           | 0           | 0            | 0            | 7     |                                |          |                    |                          |
| Chamcarlœu        | 58                | - 11               | 89                | 28          | 12    | 1                        | 4           | 2           | 0            | 0            | 7     |                                |          |                    |                          |
| Gatille           | 131               | + 12               | 16                | 55          | 13    | 0                        | 1           | 3           | 1            | 0            | 5     |                                |          |                    |                          |
| Chlong            | 53                | + 57               | 42                | 21          | 4     | 0                        | 0           | 5           | 0            | 0            | 5     |                                |          |                    |                          |
| Stung-trang       | 84                | + 27               | 92                | 36          | 30    | 0                        | 0           | 4           | 0            | 0            | 4     |                                |          |                    |                          |
| Snoul             | 52                | - 9                | 30                | 30          | 13    | 0                        | 4           | 1           | 0            | 0            | 5     |                                |          |                    |                          |

## Résumé des Observations pluviométriques

Mois de Novembre 1938

| STATIONS           | Quantité de pluie |                    |                              |             |       | Nombre de jours de pluie |              |              |               |               |       | Pluviosité moyenne par bassin |          |                    |                          |
|--------------------|-------------------|--------------------|------------------------------|-------------|-------|--------------------------|--------------|--------------|---------------|---------------|-------|-------------------------------|----------|--------------------|--------------------------|
|                    | totale            | Ecart à la moyenne | Ruit $\times 100$<br>R Total | Max. diurne | date  | $\geq 1$ mm              | $\geq 10$ mm | $\geq 50$ mm | $\geq 100$ mm | $\geq 100$ mm | total | Bassin                        | Quantité | Ecart à la moyenne | Nombre de jours de pluie |
|                    | mm                | mm                 |                              | mm          |       |                          |              |              |               |               |       |                               | mm       | mm                 |                          |
| Thmarpitt          | 120               | + 16               | —                            | 45          | 14    | 0                        | 1            | 5            | 0             | 0             | 6     | Mékong inférieur (suite)      | 91       | + 9                | 6                        |
| Skoun              | 101               | + 28               | 0                            | 44          | 11    | 0                        | 1            | 3            | 0             | 0             | 4     |                               |          |                    |                          |
| Kompong-cham       | 54                | + 28               | 79                           | 38          | 15    | 1                        | 5            | 1            | 0             | 0             | 7     |                               |          |                    |                          |
| Chup               | 93                | + 15               | 0                            | 45          | 15    | 0                        | 1            | 4            | 0             | 0             | 5     |                               |          |                    |                          |
| Suong              | 85                | + 12               | 61                           | 29          | 15    | 2                        | 3            | 4            | 0             | 0             | 9     |                               |          |                    |                          |
| Péamchéang         | 143               | + 24               | 29                           | 74          | 14    | 1                        | 4            | 2            | 1             | 0             | 8     |                               |          |                    |                          |
| Chalang            | 192               | + 59               | —                            | 80          | 4     | 0                        | 0            | 4            | 1             | 0             | 5     |                               |          |                    |                          |
| Preckchlong        | 135               | + 1                | —                            | 30          | 4     | 0                        | 3            | 5            | 0             | 0             | 8     |                               |          |                    |                          |
| Mimot (S.P.Ad.)    | 139               | + 81               | 100                          | 70          | 4     | 0                        | 1            | 3            | 1             | 0             | 5     |                               |          |                    |                          |
| Mimot (S.P.L.)     | 106               | + 5                | —                            | 35          | 11    | 2                        | 3            | 4            | 0             | 0             | 9     |                               |          |                    |                          |
| Kantroy            | 128               | + 16               | —                            | 32          | 4     | 0                        | 3            | 4            | 0             | 0             | 7     | Mékong moyen (Bas Laos)       | 6        | — 21               | 2                        |
| Napé               | 2                 | + 13               | 50                           | —           | 12,13 | 2                        | 0            | 0            | 0             | 0             | 2     |                               |          |                    |                          |
| Kham-keut          | 0                 | + 9                | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Boneng             | 3                 | + 15               | 33                           | 2           | 5     | 1                        | 1            | 0            | 0             | 0             | 2     |                               |          |                    |                          |
| Pakhinboun         | 0                 | + 3                | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Mahaxay            | 0                 | + 2                | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Thakhek            | 0                 | + 8                | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Tchépone           | 0                 | + 22               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Khe-sanh           | 61                | + 105              | 49                           | 11          | 13    | 0                        | 13           | 1            | 0             | 0             | 14    |                               |          |                    |                          |
| Lao-bao            | 0                 | + 45               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Savannakhet        | 4                 | + 5                | 100                          | 4           | 2     | 0                        | 1            | 0            | 0             | 0             | 1     | Mékong supérieur (Haut Laos)  | 11       | — 19               | 1                        |
| Muong-phine        | 0                 | + 9                | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Keng-kok           | 0                 | + 7                | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Bantampril         | 4                 | + 13               | 0                            | 3           | 5     | 1                        | 1            | 0            | 0             | 0             | 2     |                               |          |                    |                          |
| Saravane           | 1                 | + 10               | 0                            | 1           | 4     | 1                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Khamtongjai        | 0                 | + 22               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Lao-ngam           | 0                 | + 32               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Thateng            | 6                 | + 34               | 100                          | 3           | 6     | 1                        | 3            | 0            | 0             | 0             | 4     |                               |          |                    |                          |
| Souvannakhili      | 0                 | + 33               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Nongmet            | —                 | —                  | —                            | —           | —     | —                        | —            | —            | —             | —             | —     |                               |          |                    |                          |
| Bolovens (Paksong) | 29                | + 77               | 0                            | 17          | 5     | 0                        | 3            | 1            | 0             | 0             | 4     | Mékong supérieur (Haut Laos)  | 11       | — 19               | 1                        |
| Paksé              | 1                 | + 16               | 100                          | 1           | 13    | 1                        | 0            | 0            | 0             | 0             | 1     |                               |          |                    |                          |
| Bassac             | 0                 | + 7                | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Attopeu            | 6                 | + 29               | 100                          | 4           | 26    | 0                        | 2            | 0            | 0             | 0             | 2     |                               |          |                    |                          |
| Fiafay             | 3                 | + 31               | 100                          | 2           | 12    | 0                        | 2            | 0            | 0             | 0             | 2     |                               |          |                    |                          |
| Siempang           | 19                | + 26               | 95                           | 12          | 4     | 0                        | 1            | 1            | 0             | 0             | 2     |                               |          |                    |                          |
| Khong              | 5                 | + 40               | 100                          | 5           | 16    | 0                        | 1            | 0            | 0             | 0             | 1     |                               |          |                    |                          |
| Veunesai           | 31                | + 14               | 100                          | 11          | 17    | 0                        | 6            | 1            | 0             | 0             | 7     |                               |          |                    |                          |
| Muong Houneua      | 28                | + 20               | —                            | 14          | 13    | 0                        | 3            | 1            | 0             | 0             | 4     |                               |          |                    |                          |
| Phongsaly          | 0                 | + 37               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Bouneua            | 13                | + 41               | 38                           | 6           | 14    | 0                        | 4            | 0            | 0             | 0             | 4     | Mékong supérieur (Haut Laos)  | 11       | — 19               | 1                        |
| Bountay            | 0                 | + 18               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Dienbienphu        | 0                 | + 6                | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Muong-sing         | 71                | + 51               | 31                           | 40          | 14    | 0                        | 0            | 2            | 0             | 0             | 2     |                               |          |                    |                          |
| Muong-khoua        | 21                | + 7                | 57                           | 10          | 12    | 0                        | 3            | 0            | 0             | 0             | 3     |                               |          |                    |                          |
| Muong Luongnamtha  | 0                 | + 40               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Vien poukha        | 29                | + 59               | 38                           | 20          | 13    | 0                        | 1            | 1            | 0             | 0             | 2     |                               |          |                    |                          |
| Muong sai          | 36                | + 17               | 25                           | 36          | 15    | 0                        | 0            | 1            | 0             | 0             | 1     |                               |          |                    |                          |
| Muong ngoi         | 15                | + 25               | 100                          | 15          | 15    | 0                        | 2            | 0            | 0             | 0             | 1     |                               |          |                    |                          |
| Banhueisai         | 6                 | + 39               | 33                           | 4           | 14    | 0                        | 2            | 0            | 0             | 0             | 2     |                               |          |                    |                          |
| Luang prabang      | 15                | + 15               | 80                           | 13          | 15    | 0                        | 1            | 1            | 0             | 0             | 2     | Mékong supérieur (Haut Laos)  | 11       | — 19               | 1                        |
| Tran-ninh          | 1                 | —                  | 100                          | 1           | 16    | 1                        | 0            | 0            | 0             | 0             | 1     |                               |          |                    |                          |
| Xiang khouang      | 5                 | + 25               | 100                          | 5           | 16    | 0                        | 1            | 0            | 0             | 0             | 1     |                               |          |                    |                          |
| Tha-thom           | —                 | —                  | —                            | —           | —     | —                        | —            | —            | —             | —             | —     |                               |          |                    |                          |
| Muong Kham         | 0                 | + 11               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Muong Vanvieng     | 11                | + 9                | 100                          | 3           | 16    | 0                        | 5            | 0            | 0             | 0             | 5     |                               |          |                    |                          |
| Borikbane          | 0                 | + 19               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Tourakhom          | 0                 | + 16               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Paksane            | 0                 | + 16               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Paklay             | 0                 | + 16               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |
| Vientiane          | 0                 | + 15               | —                            | —           | —     | 0                        | 0            | 0            | 0             | 0             | 0     |                               |          |                    |                          |